

GOVERNMENT AUTONOMOUS COLLEGE
BHAWANIPATNA



COURSES OF STUDIES

FOR

THREE YEAR DEGREE COURSE

IN

ARTS

(PASS & HONOURS)

SEMESTER-I	2010	SEMESTER-II	2011
SEMESTER-III	2011	SEMESTER-IV	2012
SEMESTER-V	2012	SEMESTER-VI	2013

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COURSES OF STUDIES**+3 ARTS**

(Three-Year Degree in Arts)

(PASS AND HONOURS)

SEMESTER-I	2010	SEMESTER-II	2011
SEMESTER-III	2011	SEMESTER-IV	2012
SEMESTER-V	2012	SEMESTER-VI	2013

GENERAL INSTRUCTIONS

A candidate for +3 Arts (Three Year Degree in Arts) shall be required to pass all six semester examinations.

The entire course of Three year Degree Arts can be classified as :

A) Compulsory Course, B) Optional Course and C) Elective Course.

A) Compulsory Course

- | | | | |
|---|--------------|------------|------------------|
| 1. English | Semester-II | Marks -100 | }Total Marks 200 |
| | Semester-IV | Marks -100 | |
| 2. M.I.L.(Any one out of Oriya, Hindi, Alternative English) | Semester-I | Marks -100 | }Total Marks 200 |
| | Semester-III | Marks -100 | |
| 3. Indian Culture and Society | Semester-V | Marks -100 | |
| 4. Environmental Studies | Semester-VI | Marks -100 | |

B) Optional Course**i) +3 Arts (Pass)**

+3 Arts (Pass) student shall have to offer any one of the following pass subjects carrying 400 marks each, subject to other conditions mentioned in the regulation.

- | | | |
|--------------------------------------|-----------------|-----------------------|
| (1) History | (2) Economics | (3) Political Science |
| (4) One Language (Oriya or Sanskrit) | (5) Mathematics | |
| (6) Anthropology | (7) Sociology | (8) Education |
| (9) Functional English | (10) Geography | |
| (11) Archaeology & Museology | | |

ii) +3 Arts (Hons.)

A +3 Arts (Hons.) student shall choose one of the following Honours subjects carrying 800 marks

- | | | |
|---|---------------|-----------------------|
| (1) History | (2) Economics | (3) Political Science |
| (4) One Language subject (Oriya, Sanskrit or English) | | |
| (5) Mathematics | (6) Geography | |

5. ELECTIVE COURSE

A candidate in +3 Arts (Pass & Honours) shall offer TWO ELECTIVE subjects (One from Elective-A and one from Elective-B) besides Compulsory and Optional subjects. Each elective subject shall consist of two papers carrying 100 marks each, without any practical component.

Elective-A

1. Indian Economy
2. Landmarks in Indian History
3. Indian Geography
4. Mathematics

Elective-B

1. Indian Polity
2. Education
3. Sanskrit
4. Archaeology & Museology

Provided that, a student (Honours or Pass) offering Political Science, Economics, History, Geography, Mathematics, Education as Pass or Honours subject shall not be allowed to take Indian Polity, Indian Economy, Landmarks in Indian History and Archaeology & Museology, Indian Geography, Mathematics, Education respectively as his / her elective subjects.

Mark distribution: -**For Pass & Hons without Practical component**

	Sem-I	Sem-II	Sem-III	Sem-IV	Sem-V	Sem-VI	Total
Pass	200	300	200	300	200	200	1400
Hons.	300	300	300	300	300	300	1800

For Pass & Hons with Practical component

	Sem-I	Sem-II	Sem-III	Sem-IV	Sem-V	Sem-VI	Total
Pass	175	325	175	325	200	200	1400
Hons.	275	325	275	325	300	300	1800

Course Structure: -**+3 Arts (Pass & Hons)**

PASS WITHOUT PRACTICAL COMPONENT				HONS WITHOUT PRACTICAL COMPONENT			
SEMESTER-I	MIL-I	100	=200	MIL-I	100	=300	
	PASS-I	100		HONS -I	100		
SEMESTER-II	ENGLISH-I	100	=300	ELECTIVE-A1	100		
	PASS-II	100		ENGLISH-II	100		
	ELECT. A1	100		HONS-II	100		
SEMESTER-III	MIL-II	100	=200	ELECTIVE-A2	100	=300	
	PASS-III	100		MIL-II	100		
SEMESTER-IV	ENG-II	100	=300	HONS-III	100		
	PASS-IV	100		ELECTIVE-B1	100		
	ELECT-A2	100		ENG-II	100		
SEMESTER-V	IS & C	100	=200	HONS-IV	100	=300	
	ELECT.-B1	100		ELECTIVE-B2	100		
SEMESTER-VI	ENV. STUDIES	100	=200	IS & C	100		
	ELECT-B2	100		HONS -V	100		
				HONS -VI	100		
TOTAL				1400			1800

+3 Arts (Pass & Hons)

PASS WITH PRACTICAL COMPONENT				HONS WITH PRACTICAL COMPONENT			
SEMESTER-I	MIL-I	100	=175	MIL-I	100	=275	
	PASS-I	75		HONS P-I	75		
SEMESTER-II	ENGLISH-I	100	=325	ELECTIVE-A1	100		
	PASS-II	75		ENGLISH-II	100		
	PRACTICAL-I	50		HONS -II	75		
SEMESTER-III	ELECTIVE- A1	100	=175	PRACTICAL-I	50	=275	
	MIL-II	100		ELECTIVE-A2	100		
	PASS-III	75		MIL-II	100		
SEMESTER-IV	ENGLISH-II	100	=325	HONS-III	75	=325	
	PASS-IV	75		ELECTIVE-B1	100		
	PRACTICAL-II	50		ENGLISH-II	100		
	ELECTIVE -A2	100		HONS-IV	75		
SEMESTER-V	IS & C	100	=200	PRACTICAL-II	50	=300	
	ELECTIVE-B1	100		IS & C	100		
				HONS-V	75		
				HONS-VI	75		
SEMESTER-VI	ENV. STUDIES	100	=200	PRACTICAL-III	50	=300	
	ELECTIVE -B2	100		ENV. STUDIES	100		
				HONS-VII	75		
				HONS-VIII	75		
TOTAL				1400			1800

A Pass subject carries 400 marks in four papers of 100 marks each, and an Honours Subject carries 800 marks in eight papers of 100 marks each. However, for subjects with practical, the following shall be the distribution of marks.

Qualifying marks: -

In order to clear an examination, a candidate is required to secure a minimum of 30 % marks in a paper and 40% in each practical paper, and a minimum of 36 % in the aggregate.

Duration of Paper: -

The duration of examination for each theory paper carrying 75 or 100 marks shall be three hours.

* * * * *

**COMPULSORY COURSES
ENGLISH
SEMESTER-II**

Paper-I Novel, Short Stories, Essay, Letter Writing and Grammar
Marks : 100
Time : 3 hours

Unit-I Novel:-

Untouchable : Mulk Raj Anand

Unit-II Essay writing

Unit-III Short Stories

Spectrum : Edited by - J.Sasikumar, Paul Gunasekhar

Pieces to be studied:

1. Let's Go Home : Kewlian Sio
2. The Accursed House : Emile Gaboriau
3. A Day's Wait: E. Hemingway
4. The Ransom of Red Chief: O. Henry
5. Sparrows: K.A. Abbas
6. The Mother of a Traitor: Maxim Gorky

Unit-IV Letter writing

Unit-V Grammar

Question pattern and distribution of marks

There shall be one long answer type question carrying 20 marks and two short answer type question carrying 05 marks each from the novel. Besides these, the students are to write a letter (personal/official) carrying 10 marks and answer questions on grammar carrying 10 marks.

- | | |
|---|------------|
| 1. One long answer type question on the novel | = 20 marks |
| 2. Two short answer type questions on the novel (5 X 2) | = 10 marks |
| 3. One long answer type question from short stories | = 20 marks |
| 4. Two short answer-type questions from short stories (2 X 5) | = 10 marks |
| 5. An Essay on a current topic | = 20 marks |
| 6. Grammar (Tense, auxiliaries, modals, prepositions, voice-change, direct and indirect speech) | = 10 marks |
| 7. Letter writing(personal/official) | = 10 marks |

Total = 100 marks

ENGLISH SEMESTER-IV

Paper-II Poetry, Drama, Comprehension and Composition

Marks: 100

Time : 3 hours

Unit-I

Poetry

Text Prescribed

1. Poet's Eye edited by S. Chand and Co.

Pieces to be studied

1. The Solitary Reaper: W. Wordsworth
2. Annabel Lee: Edgar Allan Poe
3. Ring Out: A.L. Tennyson
4. O. Captain ! My Captain: Walt Whitman
5. The Forsaken Merman: Matthew Arnold
6. The Lake Isle Of Innisfree: W.B. Yeats
7. Stopping by Woods on a Snowy Evening: R. Frost
8. Miss Gee: W.H. Auden
9. When I am Dead: George Macbeth
10. Punishment in Kindergarten: Kamala Das

Unit-II

Short answer type questions from the anthology of poems.

Unit-III

Drama

Text Prescribed

1. A Doll's House by Henrik Ibsen

Unit-IV

Comprehension

Unit-V

Composition

Question Pattern and Distribution of Marks

There shall be one general question carrying 20 marks and two short answer type questions carrying 05 marks each from the prescribed text on drama. In addition to this, the students have to answer two questions on composition comprising reporting, describing people, places and events etc. carrying 10 marks each (10 2=20 marks). Further there shall be one general question carrying 20 marks and two short answer type questions carrying 05 marks, each from the anthology of poems. The students shall have to answer five short answer-type questions carrying 4 marks each on a given prose paragraph to test their power of comprehension.

U.G. SEMESTER-I ARTS

Sub- M.I.L. (Odia)

Full Marks- 100

Time - 3 hours

Paper-I

Unit-I

ପ୍ରବନ୍ଧ ସାହିତ୍ୟ :

(୨୦+୫)

ସବିଶେଷ ଅଧ୍ୟୟନ : ପ୍ରବନ୍ଧ ସୁମନ-ସଂପାଦନା- ଡଃ ବୈରାଗୀ ଚରଣ ଜେନା
ପ୍ରକାଶକ : ସତ୍ୟନାରାୟଣ ବୁକ୍ସୋର, ବିନୋଦବିହାରୀ, କଟକ-୨

ପାଠ୍ୟ :

- | | | |
|--------------------|---|-----------------|
| (କ) ମହାସ୍ଵୋତ | - | ବିଶ୍ଵନାଥ କର |
| (ଖ) ବ୍ୟକ୍ତି ଓ ଜାତି | - | ବିପିନବିହାରୀ ରାୟ |
| (ଗ) ଅତୀତର ଆକର୍ଷଣ | - | ବୈଦ୍ୟନାଥ ମିଶ୍ର |

ଉଲ୍ଲିଖିତ ପ୍ରବନ୍ଧଗୁଡ଼ିକରୁ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ପ୍ରଶ୍ନ ପଡ଼ିବ ।
ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ରହିବ ୨୦ ନମ୍ବର । ଏହି
ପ୍ରବନ୍ଧମାନଙ୍କରୁ ଦୁଇଟି ସରଳାର୍ଥ ଲେଖିବାକୁ ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର
ଲେଖାଯିବ । ମୂଲ୍ୟ ରହିବ ୫ ନମ୍ବର ।

Unit-II

କବିତା

(୨୦+୫)

ସବିଶେଷ ଅଧ୍ୟୟନ : କବିତାଶ୍ରୀ-ସଂପାଦନା-ଡକ୍ଟର କୃଷ୍ଣଚରଣ ବେହେରା
ପ୍ରକାଶକ-ବିଦ୍ୟା ପ୍ରକାଶନ, ବାଲୁବଜାର, କଟକ-୨

ପାଠ୍ୟ :

- | | | |
|---------------------------------|---|--------------------|
| (କ) ମୋ ଜୀବନ ପଛେ ନକେଁ ପଡ଼ିଥାଉ | - | ଭୀମ ଭୋଇ |
| (ଖ) ଗିରିଶିଖେ ଲୟ ରଖି ଚାଲିବି ମୁକର | - | ଗୋପବନ୍ଧୁ ଦାସ |
| (ଗ) ବସନ୍ତର ନିଛକ କିଲାରେ | - | ସଜିବାନନ୍ଦ ରାଉତରାୟ |
| (ଘ) ଝଡ଼ | - | ସୀତାକାନ୍ତ ମହାପାତ୍ର |

ଉଲ୍ଲିଖିତ କବିତାଗୁଡ଼ିକରୁ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର
ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ରହିବ ୨୦ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥ ପଡ଼ିବ ।
ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ରହିବ ୫ ନମ୍ବର ।

Unit-III

ଗଳ୍ପ ସାହିତ୍ୟ :

(୨୦)

ସବିଶେଷ ଅଧ୍ୟୟନ : କଥା : ସଂପାଦନା-ଡକ୍ଟର ପ୍ରସନ୍ନ କୁମାର ପଟ୍ଟନାୟକ
କଳାହାଣ୍ଡି ଲେଖକ କଳା ପରିଷଦ, ଭବାନୀପାଟଣା

ପାଠ୍ୟ :

- (କ) ଜଂଗଲି - ଭଗବତୀ ଚରଣ ପାଣିଗ୍ରାହୀ
 (ଖ) ମଧୁମତୀର ରାତ୍ରି - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
 (ଗ) ଚିଠି ମିଳିଛି - ଭୁବନେଶ୍ୱର ବେହେରା
 (ଘ) ସମ୍ରାଟ - ଚନ୍ଦ୍ରଶେଖର ରଥ

ଉଲ୍ଲିଖିତ ଗନ୍ତାଗୁଡ଼ିକରୁ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ରହିବ ୨୦ ନମ୍ବର ।

Unit -IV

(୧୫)

ଚାରୋଟି ବିଷୟରେ ପ୍ରବନ୍ଧ ଲେଖିବାକୁ ପ୍ରଶ୍ନ ପଢ଼ିବ । ତହିଁରୁ ଗୋଟିକର ଉତ୍ତର ଦିଆଯିବ । ମୂଲ୍ୟ ରହିବ ୧୫ ନମ୍ବର

Unit -V

(୧୫)

ଇଂରାଜୀ ଭାଷାରେ ଲିଖିତ ଏକ ଅନୁଚ୍ଛେଦକୁ ଓଡ଼ିଆ ଭାଷାରେ ଅନୁବାଦ କରିବାକୁ ହେବ । ମୂଲ୍ୟ ରହିବ ୧୫ ନମ୍ବର ।

U.G. SEMESTER-III

Full Marks- 100
Time - 3 hours

Paper-II

Unit -I

ବନ୍ଦ୍ୟ ସାହିତ୍ୟ :

(୧୫+୧୦)

ବିଶେଷ ଅଧ୍ୟୟନ : ପ୍ରବନ୍ଧ ସୁମନ-ସଂପାଦନା- ଡଃ ବୈରାଗୀ ଚରଣ ଜେନା
 ସତ୍ୟନାରାୟଣ ବୁକ୍‌ଷୋର, ବିନୋଦବିହାରୀ, କଟକ-୨

ପାଠ୍ୟ :

- (କ) ଆମର ସାଂସ୍କୃତିକ ଜିଜ୍ଞାସା- କାଳିନ୍ଦୀଚରଣ ପାଣିଗ୍ରାହୀ
 (ଖ) ସ୍ୱାଧୀନ ଜାତିର ଦୂତନ ମୂଲ୍ୟବୋଧ- ଗୋଲୋକ ବିହାରୀ ଧଳ
 (ଗ) ମୁଁ ସତ୍ୟଧର୍ମୀ କହୁଛି- ଚନ୍ଦ୍ରଶେଖର ରଥ ।

ଉଲ୍ଲିଖିତ ପ୍ରବନ୍ଧଗୁଡ଼ିକରୁ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବାପାଇଁ ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ରହିବ ୧୫ ନମ୍ବର । ସଂକ୍ଷିପ୍ତ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଆଠଟି ପ୍ରଶ୍ନ ପଚରାଯିବ । ପାଞ୍ଚଟିର ଉତ୍ତର ଦେବାକୁ ହେବ । ପ୍ରତ୍ୟେକ ଉତ୍ତର ପାଇଁ ୨ ନମ୍ବର ଲେଖାଏଁ ମୋଟ ୧୦ ନମ୍ବର ମୂଲ୍ୟ ରହିବ ।

Unit -II ବନ୍ଦ୍ୟ ସାହିତ୍ୟ :

(୧୫+୧୦)

ବିଶେଷ ଅଧ୍ୟୟନ : କବିତାଶ୍ରୀ-ସଂ-ଡକ୍ଟର କୃଷ୍ଣଚରଣ ବେହେରା
 ବିଦ୍ୟା ପ୍ରକାଶନ, ବାଲୁବଜାର, କଟକ-୨

ପାଠ୍ୟ :

- (କ) ଭକ୍ତି - ଗଙ୍ଗାଧର ମେହେର
 (ଖ) ମଣିଷ ଭାଇ - କୁନ୍ତଳା କୁମାରୀ ସାବତ
 (ଗ) ଯାଦୁଗର - କାଳନ୍ଦୀଚରଣ ପାଣିଗ୍ରାହୀ
 (ଘ) କୁରୁପତି ସଭାସଲେ - ପ୍ରତିଭା ଶତପଥୀ

ଉଲ୍ଲିଖିତ କବିତାଗୁଡ଼ିକରୁ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଦିଆଯିବ । ତହିଁର ମୂଲ୍ୟ ୧୫ ନମ୍ବର ରହିବ । ସଂକ୍ଷିପ୍ତ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଆଠଟି ପ୍ରଶ୍ନ ପଚରାଯିବ । ତହିଁରୁ ପାଞ୍ଚଟିର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ପ୍ରତ୍ୟେକ ଉତ୍ତରର ମୂଲ୍ୟ ୨ ନମ୍ବର ।

Unit -III

(୪+୫= ୨୦)

ଓଡ଼ିଆରେ ଏକ ଅନୁଚ୍ଛେଦ ଦିଆଯିବ । ସେହି ଅନୁଚ୍ଛେଦକୁ ଆଧାର କରି ତଳେ ଆଠଟି ପ୍ରଶ୍ନ ପଚରାଯାଇଥିବ । ତହିଁରୁ ପାଞ୍ଚଟିର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ପ୍ରତ୍ୟେକ ଉତ୍ତରର ମୂଲ୍ୟ ୪ ନମ୍ବର ।

Unit -IV

ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ :

(୨୦)

ବିଶେଷ ଅଧ୍ୟୟନ :

(କ) ସାରଳା ଦାସ (ଖ) ଜଗନ୍ନାଥ ଦାସ (ଗ) ରାଧାନାଥ ରାୟ
 ଉଲ୍ଲିଖିତ ସାହିତ୍ୟିକଙ୍କ ସଂପର୍କରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ରହିବ ୨୦ ନମ୍ବର ।

Unit -V

ବ୍ୟାକରଣ :

(୨+୫= ୧୦)

ବିଶେଷ ଅଧ୍ୟୟନ : ରୁଢ଼ି

ରୁଢ଼ିର ଅର୍ଥ ଲେଖି ବାକ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଦଶଟି ରୁଢ଼ି ସଂପର୍କରେ ପ୍ରଶ୍ନ ପଢ଼ିବ । ତହିଁରୁ ପାଞ୍ଚଟିର ଉତ୍ତର ଦେବାକୁ ହେବ । ରୁଢ଼ିର ଅର୍ଥ ପାଇଁ ମୂଲ୍ୟ ୧ ନମ୍ବର ଓ ବାକ୍ୟରେ ସଠିକ ବ୍ୟବହାର ପାଇଁ ମୂଲ୍ୟ ୧ ନମ୍ବର ରହିବ ।

**M.I.L. (Hindi)
SEMESTER - I**

Paper-I **100 Marks**

Distribution of Marks :

1.	Prose text	: 10 marks
	Short answer type question 5 x 2	: 10 marks
	One descriptive question	: 10 marks
2.	Poetry Text Explanation	: 10 marks
	Critical appreciation	: 15 marks
3.	Non detail (Short Stories)	: 15 marks
4.	Business and Official Letter Writing	: 15 marks
5.	Essay	: 15 marks

Detailed Course :

पाठ्य पुस्तक :

निबन्धायन : सं- डा. नगेन्द्रनाथ उपाध्याय
विश्वविद्यालय प्रकाशन, बाराणासी ।

पठनीय निबन्ध :

१. दीपावली : आचार्य हजारी प्रसाद द्विवेदी ।
२. ददा महान ब्बक्तित्व-डा. नगेन्द्र ।
३. तीन कर्त्रे-डा. रघुवीर ।
४. अध्यक्ष महोदय-श्री शरद जोशी ।

काव्य मंजुषा : सं.-मुरारी लाल शर्मा, शबनम् पुस्तक महल, कटक

पठनीय कविताएँ :

१. कवीर दास (संपूर्ण)
२. तुलसी दास (संपूर्ण)
३. विहारी लाल सत्सई (भक्ति, संयोग श्रृंगार वियोग श्रृंगार के प्रथम १४ दोहे ।
४. मैथिली शरण गुप्त : अब है मेरी बारी

पठनीय काहानियाँ :

१. सुजान भगत-प्रेमचन्द
२. नारगियों-अज्ञेय
३. परदा- यशपाल
४. चीफ की दाबत्-भीष्म साहनी
५. गर्मियों के दिन-कमलेश्वर

पत्र लेखन : (केवल व्यवसायिक तथा कार्यालयीय)

निबन्ध : प्रदत्त बिषय पर निबन्ध लेखन

पाठ्य पुस्तकें :

१. आधुनिक हिन्दी व्याकरण और रचना : डा. वासुदेवनन्दन प्रसाद, भारती भवन, पटना ।
२. व्यावहारिक हिन्दी व्याकरण तथा रचना-डा. हरदेब बाहरी, लोक भारती प्रकाशन, इलाहाबाद ।
३. व्यावहारिक हिन्दी : डा. महेन्द्र मित्तल, शबरी संस्थान, दिल्ली-५१

SEMESTER - III

Paper-II **100 Marks**

Distribution of Marks :

1.	Prose text : Novel	: 30 marks
2.	Poetry Text	: 30 marks
3.	Language in Official and Administrative Use	: 40 marks

Detailed Course :

१. तमस (संक्षिप्त) : ले. भीष्म साहनी, राजकमल प्रकाशन, नई दिल्ली ।
व्याख्या- १० अंक
समीक्षात्मक प्रश्न- २० अंक
२. काव्य मंजुषा : सं.-मुरारी लाल शर्मा
(आधुनिक कवि) शबनम् पुस्तक महल, कटक
व्याख्या- १५ अंक
समीक्षात्मक प्रश्न- १५ अंक

पठनीय कविताएँ :

- | | | |
|-----------------------|---|-------------------|
| १. रामधारी सिंह दिनकर | : | जनतन्त्र का जन्म |
| २. नागार्जुन | : | काली दास |
| ३. अज्ञेय | : | यह दीप अकेला |
| ४. केदारनाथ सिंह | : | एक छोटा सा अनुरोध |
| ५. दुष्यन्त कुमार | : | गजलें (१ तथा २) |
| ६. लीलाधर जगुडी | : | न्याय, बसन्त । |
- (३) क) प्रशासनिक शब्दावली १० अंक
 ख) प्रशासनिक हिन्दी के विविध रूप १५ अंक
 प्रारूपण, टिप्पणी, सुचना, आदेश, ज्ञापन, प्रशासनिक पत्राचार
 ग) प्रशासनिक अंग्रजी से हिन्दी में अनुवा- १५ अंक

सहायक पुस्तकें :-

- व्यवहारिक हिन्दी : डा. महेन्द्र मित्तल, शबरी संस्थान, दिल्ली-५१ ।
- प्रयोजनमूलक हिन्दी : डा. गुलाम् मोईउद्दीन खॉन, शबनम पुस्तक महल, कटक ।
- प्रशासनिक हिन्दी और अन्य प्रयुक्तियाँ : डा. कमल कुमार बोष ।
- प्रयोजनमूलक हिन्दी : डा. बालेन्दु शेखर तिवारी, संजय बुक् सेण्टर, बाराणसी ।

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ALTERNATIVE ENGLISH

SEMESTER-I

Paper-I Novel, Poetry, Letter Writing and Grammar Marks: 100
Time : 3 hours

Unit-I Novel (Long and short answer type question)
Huckleberry Finn - Mark Twain

Unit-II Poetry (Long answer type questions)
Pageant of Poems Edited by A. Sheppard

Pieces to be studied

- Easter 1916 - W.B. Yeats
- Voices-Waltor De La Mare
- The Road Not Taken - Robert Frost
- Preludes - T.S. Eliot
- The Unknown Citizen - W.H. Auden
- Do not go Gentle into that Good Night - Dylan Thomas
- Church- Going - Philip Larkin
- The Jaguar - Ted Hughes
- Mirror - Sylvia Plath

Unit-III Short answer type questions from poetry.

Unit-IV Letter writing

Unit-V Grammar

Question pattern and distribution of marks

There shall be one long answer type question carrying 20 marks and three short answer type questions carrying 05 marks each from the anthology of poems. Grammar, comprising tense, auxiliaries, modals, prepositions, voice change and narration change will carry 15 marks. Besides these there shall be one long answer type question carrying 20 marks and three short answer-type questions carrying 05 marks each from the novel. There shall be a letter carrying 15 marks. Alternative questions shall be set to give the students a scope for choice.

ALTERNATIVE ENGLISH**SEMESTER-III**

Paper-II Prose, One-Act Plays, Essay-Writing and Expansion **Marks: 100**
Time : 3 hours

Unit-I ProseText Prescribed

1. College Prose edited by T. Sriraman -Macmillan

Pieces to be studied

1. Spoken English and Broken English -G.B.Shaw
2. Voluntary Poverty -M.K.Gandhi
3. A Snake in the Grass -R.K.Narayan
4. The Civilisation of Today -C.E.M.Joad
5. Kamala Nehru -Jawaharlal Nehru
6. The Night the Ghose Got In -James Thurber
7. A Cup of Tea -Katherine Mansfield

Unit-II Short answer type questions from prose.

Unit-III One-Act Play

Text Prescribed

1. Modern One-Act Plays edited by V.A. Sahne

Pieces to be studied

1. Waterloo -Sir Arthur Conan Doyle
2. The Boor -Anton Chekov
3. The Will -James M. Barrie
4. The Rising of the Moon -Lady Gregory

Unit-IV Essay writing

Unit-V Expansion

Question pattern and distribution of marks

There shall be one general question carrying 20 marks and two short answer type questions carrying 05 marks each from the anthology of One-Act plays and the anthology of prose. An essay on current topic shall carry 25 marks and the question on expansion carries 15 marks.

INDIAN SOCIETY AND CULTURE
SEMESTER-V

The paper carries 100 marks and of 03 hours duration. There shall be 10 long and short questions with two questions from each unit. Candidates are required to answer any five questions; All questions carry equal marks.

Marks: 100
Time : 3 hours

Unit-I

8. Vedic culture -Society and Religion
9. Cultural attainments during Gupta period.

Unit-II

1. Impact of Islam on Indian life.
2. Bhakti Movement- Kabir, Nanak and Chaitanya

Unit-III

1. Human Right: Concept; Historical Development, Menace of Ragging in Educational Institutions.
2. Freedom Struggle- Role of Gandhi and Subash

Unit-IV

1. Composition of Indian Society, Unity in Diversity
2. Concept of Tribe and Caste: Definition and characteristics, Tribe Caste distinction, continuity and change in Caste and Tribe.

Unit-V

1. Impact of sanskritisation, westernization, modernization and secularisation in Indian society.
2. Implication of Liberalization, Globalisation as ingredients of New Economic Reforms and their impact on Indian society and culture.

Books for the Indian Culture and Society;

1. A Social, Cultural and Economic History of India : P.N. Chopra, B.N. Puri & M.N. Das in 3 volumes (Macmillan).
2. The History & culture of Indian People, Vol III, IV, IX, XI : Bharatiya Vidya Bhavan Series, Edited - R.C.Majumdar.
3. Social History of India : Romila Thapar.
4. Cultural Heritage of India - In 4 Vols. Published by Ramakrishna Mission.
5. Economic and Social History of Modern India : S.P. Nanda
6. Social Changes in Modern India :M.N.Srinivas.
7. Aspects of Indian Society & Economy in the Nineteenth Century : V.Goutam.
8. A Handbook of Sociology : Rakha Sharma.
9. Tribe, Caste & Religion : Thapar.
10. General Sociology : P.K.Kar
11. Social Anthropology: Madan & Majumdar
12. Indian Society: C.N.Shankar Rao

ENVIRONMENTAL STUDIES FOR ARTS SEMESTER-VI

The paper carries 100 marks and of 03 hours duration. There shall be 10 long and short answer type questions with two questions from each unit. The candidates are required to answer any five questions. All questions carry equal marks.

Full marks -100

Unit-I

Definition, scope and sub-division of ecology. Constituents and functions of Biosphere, Biome. Nature and composition of soil, types of soil.

Unit - II

Ecosystem : Structure and function, types of ecosystem. Food chain, food web, Bio-geochemical cycles (carbon, nitrogen, oxygen). Ecological pyramids, Energy flow models (Lindeman's)

Unit-III

Population studies: Basic concept, character & composition, natality, mortality, animal associations: commensalism, parasitism, symbiosis

Unit - IV

Pollution: Type of pollutants, causes, effects and control of air pollution. Green house effect and global warming. Carbon trading, Causes, effects and control of water, soil, noise and radio-active pollution.

Unit - V

Environmental planning : concept of resource and conservation, resource management (conservation of natural resources, renewable and non-renewable). Conservation of forests and wild life. Guidelines and salient features of Environmental protection act (1986).

Books Recommended:

1. Man and Environment : Das and Mishra
2. A Text Book of Plant Ecology : Shukla and Chandel
3. Fundamental of Ecology : M.C.Dash
4. Environmental Studies : S.Swain
5. Text Book of Environmental Studies : S.K.Rout

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OPTIONAL COURSES ANTHROPOLOGY (PASS)

The Pass course in Anthropology shall comprise four papers. There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 75 marks (60 marks of Term-end Examination and 15 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have at least five long and short questions with alternatives (one with an alternative from each unit); carrying equal marks.

COURSE STRUCTURE

SEMESTER-I

P-I	Social Anthropology	75 marks	3 hours
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SEMESTER-II

P-II	Palaeo Anthropology	75 marks	3 hours
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Practical-I	Practical	50 marks	3 hours
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SEMESTER-III

P-III	Biological Anthropology	75 marks	3 hours
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SEMESTER-IV

P-IV	Action and Applied Anthropology	75 marks	3 hours
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Practical-II	Practical	50 marks	3 hours
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SEMESTER-I

P-I SOCIAL ANTHROPOLOGY

Term end: 60
Internal : 15

Unit-I

Nature and Scope of Social Anthropology and its relationship with other social sciences. Organisation and functions of human groups, Association, Institution, Community and Society.

Unit-II

Family-Definition, structure, features and function. Marriage-Definition, Rules, Types and ways of acquiring mates in tribal society, Kinship -Definition, types, usages and function. Kingroups -Lineage, clan, phratry and moiety.

Unit-III

Political organisation in primitive society. Nature of primitive Law. Law and justice in primitive society. Nature of primitive economy. Laws of property inheritance. Dormitory practices in tribal society. Religion-meaning and definition, different concept of development of religion, religious practices, magic, science and religion.

Unit-IV

Status and role in society. Class and caste formation. Features and functions of caste, origin of caste system in India. Purity and pollution concept, changing trends in caste system in India. Difference between tribe and caste. Tribe-caste continuum.

Unit-V

Meaning and definition of culture. Material and nonmaterial culture, culture traits and culture complex. Culture assimilation, acculturation and adaptation, culture change.

Books Recommended

- 1) Introduction to Social Anthropology -Majumdar D.N. and Madan T.N.
- 2) Introduction to Social Anthropology -Beals and Hoijer
- 3) Social Anthropology -Paul Bahanan
- 4) Readings in Anthropology -Jennings and Hoebel E.A.
- 5) Kingroups and Social Structure -Keesing R.M.
- 6) Family and Marriage -Robin Fox
- 7) Social Structure -Murdock G.P.

SEMESTER-II**P-II. PALAEO ANTHROPOLOGY**

Term end: 60
Internal : 15

Unit-I

Nature and scope of Palaeo Anthropology or Prehistoric Archaeology and its relationship with other branches of Anthropology.

Unit-II

Pleistocene climate, Glaciation and pluviation, their causes and effects, Pleistocene chronology, methods of dating -stratigraphy, dendro chronology and C14 dating.

Unit-III

Prehistoric tools -Importance of its study, techniques of tool making, block on anvil, stone hammer, step flaking, pressure flaking, cylinder hammer, clactonian Levalloisean, backing and blunting, fluting, grinding and polishing.

Unit-IV

Lithic culture of Europe -Eolithic, Lower, middle and upper Palaeolithic.

Unit-V

Mesolithic and Neolithic culture of Europe.

Books recommended

- 1) Old Stone Age -M.C. Burkitt
- 2) Prehistoric Archaeology -D.K.Bhattacharya
- 3) Our Early Ancestors -M.C.Burkitt
- 4) Elements of Prehistory -V.Ramireddi
- 5) Prehistoric Man -L.S.B.Leaky

PRACTICAL-I**Practical****50 Marks**

1. Drawing to scale and describe twelve prehistoric tools of Palaeolithic, Mesolithic and Neolithic period **15 Marks**
2. Identification of prehistoric tools **10 Marks**
3. Literature survey, report writing and Bibliographic preparation, method of report writing. The students have to write a report on the topic assigned by the department basing on journals, books, periodicals. Emphasis will be given on extensive reading of relevant books and journals, etc. **15 Marks**
4. Practical note book **05 Marks**
5. Viva voce **05 Marks**

SEMESTER-III**P-III. BIOLOGICAL ANTHROPOLOGY**

Term end: 60
Internal : 15

Unit-I

Nature and scope of Biological Anthropology. Its relation with other sciences. Branches of Physical Anthropology.

Unit-II

Meaning and definition of organic evolution. Evidences of organic evolution, Theories of organic evolution -Lamarckism, Darwinism and the synthetic theory. Cell -its structure and function, cell division -mitosis and meiosis.

Unit-III

Primates -comparative study of important anatomical and morphological features of prosimians. Old and new world monkeys, Apes and Men, classification of the order primate.

Unit-IV

Types of fossils and process of fossilisation, Discovery, distribution, anatomical features and phylogenetic position of Australopithecus Africanas, Pithecanthropus, Erectus, Neanderthalensis, Grimaldian and Cro-Magnon man.

Unit-V

Use of the term race in social and Biological Sciences. Biological basis of morphological racial criteria -skin, colour, Hair, Nose, Eye, Head. Mechanism of race formation, Mutation, Selection, Migration, Isolation and genetic drift. Major races of the world -Caucasoid, Mongoloid, Negroid and Australoid.

Books recommended

- 1) Fundamentals of Physical Anthropology -R.M.Sarkar
- 2) Outlines of Physical Anthropology -B.M.Das
- 3) Up from the Ape -E.A.Hooton

- 4) Organic Evolution -R.B.Lull
- 5) Anthropology -A.L.Kroeber
- 6) Physical Anthropology -Laskar G.W.
- 7) Introduction Of Physical Anthropology -Ashlemontague M.F.

SEMESTER-IV

P-IV. ACTION AND APPLIED ANTHROPOLOGY

Term end: 60
Internal : 15

Unit-I

Concept of Scheduled Caste, Scheduled Tribe, Backward Communities and peasants.

Unit-II

Nature and scope of Applied Anthropology and Action Anthropology, Brief history of tribal administration -pre and post independent period of India.

Unit-III

Approaches to tribal problems in India -Land alienation, Education, Health, Economy and Forest.

Unit-IV

Constitutional safeguards for scheduled tribe and scheduled caste and other backward classes.

Unit-V

Problem of orissan tribes, Role of Anthropology in development.

Books Recommended:

- 1) Society and culture in India -N.K.Bose
- 2) Applied Anthropology in India -L.P.Vidyarthi
- 3) Tribal development in India -Budhadev Choudhury
- 4) Tribal Development -B.D.Sharma
- 5) Development Anthropology -N.M.Mathur

PRACTICAL-II

Practical

50 Marks

- a) Drawing and description of bones of human skull, mandible pelvis and limbs. Definition, types of human teeth and their features. Identification of bones.
15 Marks
- b) Somatometry and somatoscopy: Candidates shall be familiar with the land marks on the human body, instrument needed for the measurements, procedures

adapted and precaution to be taken while taking the following measurements on at least 10 individuals **15 Marks**

- | | |
|----------------------------|---------------------------------|
| 1. Height Vertex | 2. Sitting Height |
| 3. Chest Breadth | 4. Chest Depth |
| 5. Chest Girth | 6. Maximum Head Length |
| 7. Maximum Head Breadth | 8. Maximum Head Height |
| 9. Bizygomatic Breadth | 10. Bigonial Breadth |
| 11. Nasal Height | 12. Nasal Breadth |
| 13. Nasal Depth | 14. Morphological Facial Length |
| 15. Superior Facial Length | 16. Weight. |

c) Following indices shall be calculated and classified **05 Marks**

1. Cephalic Index or Length -Breadth Index
2. Length -Height Index
3. Breadth -Height Index
4. Morphological Facial Index
5. Morphological upper Facial Index
6. Nasal Index

d) Following observation shall be made on at least 10 individuals **05 Marks**

1. Skin Colour
2. Eye Colour and Eye Fold
3. Hair Form, Texture and Colour
4. Forehead
5. Supra-Orbital Ridge
6. Nose Form
7. Facial Prognathism
8. Lip Form

e) Practical record **05 Marks**

f) Viva-voce **05 Marks**

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ECONOMICS (PASS)

The Pass course in Economics shall comprise four papers. There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have at least five long questions with alternatives (one with an alternative from each unit); questions carrying equal marks.

COURSE STRUCTURE**SEMESTER-I**

P-I Micro Economics 100 Marks 3 hours

SEMESTER-II

P-II Indian Economy 100 Marks 3 hours

SEMESTER-III

P-III Money, Banking and International Trade 100 Marks 3 hours

SEMESTER-IV

P-IV Economics of Development & Planning 100 Marks 3 hours

SEMESTER-I**P-I : Micro Economics**

Term end: 80
Internal : 20

UNIT-I Theory of consumer behaviour

- a) Marshallian utility analysis - Law of diminishing Marginal utility, Law of Equimarginal utility, Law of demand, Elasticity of demand - Price, income, and cross elasticity, Methods of measurement of price elasticity of demand.
- b) Indifference Curve Analysis : Properties, Consumer's equilibrium, Income, Substitution and price effects, Superiority of indifference curve analysis, Derivation of demand curve through Marshallian and indifference curve approaches.

UNIT-II

Theory of Production and Costs: Concept of Production function and Input output relationship, Law of variable Proportions, Returns to scale. Cost output relationship, Nature and behaviour of costs and revenue curves

UNIT-III

Theory of Product Pricing: Perfect and imperfect markets, Equilibrium of firm and industry - Price and out put determination under perfect competition, monopoly and discriminating monopoly.

UNIT-IV

Distribution:

Marginal productivity Theory of distribution,
Rent - Ricardian and Modern theory of rent, Quasirent.

Wages - Supply and demand theory of wages, Trade unions and wages.

UNIT-V

Interest - Classical theory of interest, Loanable funds theory of interest, Liquidity preference theory of interest.

Profit - Risk theory of profit, Uncertainty bearing theory of profit, Dynamic theory of profit and Innovation theory of profit.

Books Recommended :

- 1) A Text Book of Economic Theory : Stonier & Hague.
- 2) Modern Micro Economics : Koutsoyiannis.
- 3) Economics : Samuelson, P.A. and W.D. Nordhans.
- 4) Micro Economics : H.L. Ahuja.
- 5) Micro Economic Theory : Vaish and Sundaram.
- 6) Micro Economics : P.N. Chopra
- 7) Micro Economics : M.L. Seth
- 8) An Introduction to Micro Economics : N.C. Ray

SEMESTER-II**P-II. Indian Economy**

Term end: 80
Internal : 20

UNIT-I

Basic features of Indian Economy, Broad demographic features - Theory of demographic transition, Population size and Growth rates, Sex composition, Rural-urban migration, Occupational distribution; Problem of over population and population as a retarding factor to economic development; Population policy.

UNIT-II

Agriculture - Nature and importance; State of agriculture, causes of low agricultural productivity and measures to step up agricultural productivity. Land reforms, Green revolution, Agricultural credit, Agricultural marketing Problem and provision.

UNIT-III

Industry - State of industry; Industrial policy of 1948, 1956, 1977 and 1991-Achievements and failure; Problems of small-scale industries, Role of public sector enterprises in India's industrialization.

UNIT-IV

External Sector - State of foreign trade; Trends in exports and imports, composition and direction of India's foreign trade; balance of payments crisis- Export promotion measures and the new trade policies; Foreign Capital - FDI, Aid, Multinational Corporations (MNCs).

UNIT-V

Planning in India - Objectives, Broad achievements and failures of current five year plan in India; New economic reforms - Liberalisation, Privatisation and Globalisation; Rationale behind economic reforms; Progress of privatization and globalisation-Its impact on agriculture, industry and foreign trade.

Books Recommended :

- 1) Indian Economy : Dr. P.K.Dhar
- 2) Indian Economy : Tandon & Tandon
- 3) Indian Economy : Ruddar Datt and K.P.M.Sundaram
- 4) The Indian Economy- Poverty & Development : Primit Choudhury
- 5) Indian Economy : Alok Ghosh
- 6) Indian Economy : A.N.Agrawal
- 7) The Indian Economy- Problems & Prospects : B.Jalan
- 8) The Indian Economy : I.C.Dhingra
- 9) Indian Economy- Its Development Experience : S.K.Misra & V.K.Puri
- 10) Indian Economy : K.K.Dewett and J.D.Verma
- 11) Indian Economy : Uma Kapila

SEMESTER-III**P-III. Money, Banking and International Trade**

Term end: 80
Internal : 20

UNIT-I

Money - Value of money; Measurement of changes in value of money, Index number - Types and construction;

Determination of value of money- Quantity theory of Money a) Transaction approach and b) Cash balance approach c) Income and expenditure theory.

UNIT-II

Inflation and deflation - Definition, Types, Causes and Effects, Demand pull and Cost Push inflation, Measures to control inflation, the wage - Unemployment relation - Philips curve; Inflation vrs Deflation.

UNIT-III

Banking - a) Commercial Bank - Functions, Balance sheet and Investment policy, Creation of credit and Its limitations.

Central Bank - Functions, methods of credit control - Quantitative and Qualitative. Banking sector reforms and changing role of commercial bank.

UNIT-IV

International Trade - Need for a separate theory of International Trade - Comparative cost doctrine - Free trade and protection.

UNIT-V

Balance of payments : Meaning, Methods of correcting disequilibrium in the balance of payments, Foreign exchange :- Purchasing power parity theory, IMF - Its objectives and role in International monetary management.

Books Recommended :

- 1) Money : Robertson
- 2) An Outline of Money : G.Crowther
- 3) Economics of Money & Banking : L.V.Chandler
- 4) Modern Banking : R.S.Sayers
- 5) Monetary Economics : Dr. R.R.Paul
- 6) Money, Banking & International Trade : M.L.Seth
- 7) Monetary Theory : D.M.Mithani
- 8) Monetary Theory : M.C.Vaish
- 9) Monetary Banking & International Trade : T.T.Sethi
- 10) Monetary Economics : S.B.Gupta
- 11) Monetary Economics : Dr. K.M.Patnaik.

SEMESTER-IV**P-IV. Economics of Development and Planning**

Term end: 80
Internal : 20

UNIT-I

Concept of development, Growth vrs Development, Features of under development, Obstacles to economic development, Pre-requisites of economic development.

UNIT-II

Theories of Economic Development : Theories of Adam Smith, Ricardo, Marx and Schumpeter.

UNIT-III

Strategies of Economic Development - a) Balanced and unbalanced growth, b) Big push and c) Critical minimum effort thesis.

UNIT-IV

Domestic and International Measures for Economic Development :

Domestic Measures a) Capital formation and economic development, b) Monetary policy and economic development, c) Fiscal policy and economic development.

External Measures - a) Foreign capital and economic development, b) Foreign trade and economic development.

UNIT-V

Planning and Development : Meaning of planning, Need for planning, Types of planning, Role of planning in Economic development. Investment criteria in economic development, the problem of choice of technique.

Books Recommended :

- | | | |
|---|---|------------------------------|
| 1) Economic Development | : | G.M.Meier & Robert E.Baldwin |
| 2) Leading Issues in Economic Development | : | G.M.Meier |
| 3) Economics of Development and Planning | : | M.L.Jhingan |
| 4) Economics of Development & Planning | : | M.L.Taneja and R.M.Meier |
| 5) Economics of growth & Development | : | R.L.Goel. |
| 6) Economics of Growth & Development | : | Dewet |
| 7) Economics of Development & Planning | : | R.K.Lekhi |
| 8) Development and Planning | : | Misra & Puri |
| 9) Problems of Capital formation in under developed countries | : | Ragnar Nurkse. |

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ECONOMICS (HONS.)

The Honours course in Economics shall comprise 08 (eight) papers. There shall be one paper each in Semester-I, Semester-II, Semester-III and Semester-IV and two papers each in Semester-V and Semester-VI. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks of Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have five long and short questions with alternatives (one with an alternative from each unit); questions carrying equal marks.

COURSE STRUCTURE**SEMESTER-I**

H-I	Micro Economics	100 Marks	3 hours
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SEMESTER-II

H-II	Indian Economy	100 Marks	3 hours
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SEMESTER-III

H-III	Money, Banking and International Trade	100 Marks	3 hours
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SEMESTER-IV

H-IV	Economics of Development & Planning	100 Marks	3 hours
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SEMESTER-V

H-V	Quantitative Methods/ Statistical Methods	100 Marks	3 hours
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H-VI	Macro Economics	100 Marks	3 hours
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SEMESTER-VI

H-VII	Mathematical Economics / Economic Systems	100 Marks	3 hours
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H-VIII	Public Economics	100 Marks	3 hours
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**DETAILED COURSE
SEMESTER-I**

H-I Micro Economics

Term end: 80
Internal : 20

UNIT-I Theory of consumer behaviour

- a) Marshallian utility analysis - Law of diminishing Marginal utility, Law of Equimarginal utility, Law of demand, Elasticity of demand - Price, income, and cross elasticity, Methods of measurement of price elasticity of demand.
- b) Indifference Curve Analysis : Properties, Consumer's equilibrium, Income, Substitution and price effects, Superiority of indifference curve analysis, Derivation of demand curve through Marshallian and indifference curve approaches.

UNIT-II

Theory of Production and Costs: Concept of Production function and Input output relationship, Law of variable Proportions, Returns to scale. Cost output relationship, Nature and behaviour of costs and revenue curves

UNIT-III

Theory of Product Pricing: Perfect and imperfect markets, Equilibrium of firm and industry - Price and output determination under perfect competition, monopoly and discriminating monopoly.

UNIT-IV

Distribution:

Marginal productivity Theory of distribution,

Rent - Ricardian and Modern theory of rent, Quasirent.

Wages - Supply and demand theory of wages, Trade unions and wages.

UNIT-V

Interest - Classical theory of interest, Loanable funds theory of interest, Liquidity preference theory of interest.

Profit - Risk theory of profit, Uncertainty bearing theory of profit, Dynamic theory of profit and Innovation theory of profit.

Books Recommended :

- | | | |
|---------------------------------------|---|------------------------------------|
| 1) A Text Book of Economic Theory | : | Stonier & Hague. |
| 2) Modern Micro Economics | : | Koutsoyiannis. |
| 3) Economics | : | Samuelson, P.A. and W.D. Nordhans. |
| 4) Micro Economics | : | H.L. Ahuja. |
| 5) Micro Economic Theory | : | Vaish and Sundharam. |
| 6) Micro Economics | : | P.N. Chopra |
| 7) Micro Economics | : | M.L. Seth |
| 8) An Introduction to Micro Economics | : | N.C. Ray |

SEMESTER-II

H-II Indian Economy

Term end: 80
Internal : 20

UNIT-I

Basic features of Indian Economy, Broad demographic features - Theory of demographic transition, Population size and Growth rates, Sex composition, Rural-urban migration, Occupational distribution; Problem of over population and population as a retarding factor to economic development; Population policy.

UNIT-II

Agriculture - Nature and importance; State of agriculture, causes of low agricultural productivity and measures to step up agricultural productivity. Land reforms, Green revolution, Agricultural credit, Agricultural marketing Problem and provision.

UNIT-III

Industry - State of industry; Industrial policy of 1948, 1956, 1977 and 1991-Achievements and failure; Problems of small-scale industries, Role of public sector enterprises in India's industrialization.

UNIT-IV

External Sector - State of foreign trade; Trends in exports and imports, composition and direction of India's foreign trade; balance of payments crisis- Export promotion measures and the new trade policies; Foreign Capital - FDI, Aid, Multinational Corporations (MNCs).

UNIT-V

Planning in India - Objectives, Broad achievements and failures of current five year plan in India; New economic reforms - Liberalisation, Privatisation and Globalisation; Rationale behind economic reforms; Progress of privatization and globalisation-Its impact on agriculture, industry and foreign trade.

Books Recommended :

- | | | |
|--|---|---------------------------------|
| 1) Indian Economy | : | Dr. P.K. Dhar |
| 2) Indian Economy | : | Tandon & Tandon |
| 3) Indian Economy | : | Ruddar Datt and K.P.M. Sundaram |
| 4) The Indian Economy- Poverty & Development: | : | Pramit Choudhury |
| 5) Indian Economy | : | Alok Ghosh |
| 6) Indian Economy | : | A.N. Agrawal |
| 7) The Indian Economy- Problems & Prospects | : | B. Jalan |
| 8) The Indian Economy | : | I.C. Dhingra |
| 9) Indian Economy- Its Development Experience: | : | S.K. Misra & V.K. Puri |
| 10) Indian Economy | : | K.K. Dewett and J.D. Verma |
| 11) Indian Economy | : | Uma Kapila |

SEMESTER-III

**H-III Money, Banking and International Trade Term end: 80
Internal : 20**

UNIT-I

Money - Value of money; Measurement of changes in value of money, Index number - Types and construction;

Determination of value of money- Quantity theory of Money a) Transaction approach and b) Cash balance approach c) Income and expenditure theory.

UNIT-II

Inflation and deflation - Definition, Types, Causes and Effects, Demand pull and Cost Push inflation, Measures to control inflation, the wage - Unemployment relation - Philips curve; Inflation vrs Deflation.

UNIT-III

Banking - a) Commercial Bank - Functions, Balance sheet and Investment policy, Creation of credit and Its limitations.

Central Bank - Functions, methods of credit control - Quantitative and Qualitative. Banking sector reforms and changing role of commercial bank.

UNIT-IV

International Trade - Need for a separate theory of International Trade - Comparative cost doctrine - Free trade and protection.

UNIT-V

Balance of payments : Meaning, Methods of correcting disequilibrium in the balance of payments, Foreign exchange :- Purchasing power parity theory, IMF - Its objectives and role in International monetary management.

Books Recommended :

- | | | |
|---|---|------------------|
| 1) Money | : | Robertson |
| 2) An Outline of Money | : | G.Crowther |
| 3) Economics of Money & Banking | : | L.V.Chandler |
| 4) Modern Banking | : | R.S.Sayers |
| 5) Monetary Economics | : | Dr. R.R.Paul |
| 6) Money, Banking & International Trade | : | M.L.Seth |
| 7) Monetary Theory | : | D.M.Mithani |
| 8) Monetary Theory | : | M.C.Vaish |
| 9) Monetary Banking & International Trade | : | T.T.Sethi |
| 10) Monetary Economics | : | S.B.Gupta |
| 11) Monetary Economics | : | Dr. K.M.Patnaik. |

SEMESTER-IV

**H-IV Economics of Development and Planning Term end: 80
Internal : 20**

UNIT-I

Concept of development, Growth vrs Development, Features of under development, Obstacles to economic development, Pre-requisites of economic development.

UNIT-II

Theories of Economic Development : Theories of Adam Smith, Ricardo, Marx and Schumpeher.

UNIT-III

Strategies of Economic Development -a) Balanced and unbalanced growth, b) Big push and c) Critical minimum effort thesis.

UNIT-IV

Domestic and International Measures for Economic Development :

Domestic Measures a) Capital formation and economic development, b) Monetary policy and economic development, c) Fiscal policy and economic development
External Measures - a) Foreign capital and economic development, b) Foreign trade and economic development.

UNIT-V

Planning and Development : Meaning of planning, Need for planning, Types of planning, Role of planning in Economic development. Investment criteria in economic development, the problem of choice of technique.

Books Recommended :

- | | | |
|---|---|------------------------------|
| 1) Economic Development | : | G.M.Meier & Ribert E.Baldwin |
| 2) Leading Issues in Economic Development | : | G.M.Meier |
| 3) Economics of Development and Planning | : | M.L.Jhingan |
| 4) Economics of Development & Planning | : | M.L.Taneja and R.M.Meier |
| 5) Economics of growth & Development | : | R.L.Goel. |
| 6) Economics of Growth & Development | : | Dewett |
| 7) Economics of Development & Planning | : | R.K.Lekhi |
| 8) Development and Planning | : | Misra & Puri |
| 9) Problems of Capital formation in under developed countries | : | Ragnar Nurkse. |

SEMESTER-V**H - V QUANTITATIVE METHODS**

Term end: 80
Internal : 20

UNIT-I

BASIC concepts - Variables, Sets, Functions, Equations, Identities, Systems of Equations, Application of straight line system, Slope of the line, Homogenous function.

UNIT-II

Calculus & Matrix - Differentiation of a function, Maxima & Minima, Equilibrium of a firm and consumer, Interrelationship among total, marginal and average costs and revenues, Constrained optimization problem, Integration of a function, Consumer's and Producer's Surplus.

MATRIX AND determinants - Various types of matrices, Determinants, Inverse of a matrix, Cramer's rule.

UNIT-III

Basic concepts in Statistics-Collection, Tabulation and Classification of data & Representation of data.

Central Tendency & Dispersion : Mean- Arithmetic, Geometric and Harmonic, Median, Mode, Range, mean deviation, Standard Deviation, Coefficient of variation, Quartile Deviation, Skewness & Kurtosis.

UNIT-IV

Correlation & Regression : Correlation - Simple Coefficient of correlation, Karl Pearson and Rank Correlation.

Regression Analysis - Estimation of regression line in a bivariate distribution - Least Squares Method, Interpretations of regression coefficients.

UNIT-V

Probability & Distribution :

Probability : Concept, Rules of Probability (Addition & Multiplication), Random Variables, mathematical Expectations.

Distribution ; Normal, binomial, Poisson - their properties and uses.

Books Recommended :

- | | | |
|--|---|-----------------|
| 1) Mathematical Analysis for Economists | : | Allen, R.G.D. |
| 2) Fundamental Methods of Mathematical Economics | : | Chiang, A.C. |
| 3) Fundamental of Applied Statistics | : | Gupta & Kapoor |
| 4) Mathematics for Economics | : | Taro Yamane |
| 5) Mathematics for Economists | : | Mehta & Madhani |

OR

H-V STATISTICAL METHODS

Term end: 80
Internal : 20

UNIT-I

Basic Concepts : Collection, Classification, Tabulation, Representation of data, Frequency distribution, Cumulative frequency, Graphic & Diagrammatic representation of data.

UNIT-II

Central Tendency & Dispersion:

Measures of Central Tendency - Mean-Arithmetic, Geometric and Harmonic mean, Median, Mode.

Measures of Dispersion - Range, Mean Deviation, Standard Deviation, Coefficient of variation, Quartile Deviation, Skewness & Kurtosis.

UNIT-III

Correlation & Regression :

Correlation ; Simple, Coefficient of correlation, Karl Pearson and Rank Correlation.

Regression : Estimation of regression line in a bivariate distribution - Least Squares Method, Interpretation of regression Coefficients.

UNIT-IV

Time Series & Index Numbers :

Time Series Analysis : Concepts & components, Determination of regular, Trend and Seasonal Indices.

Index Numbers : Concept, Types, Methods of construction, Laspeyres, Pasches, Fisher's Index Numbers & Tests for Ideal Index Number, Problems in the construction and limitations of Index Numbers.

UNIT-V

Probability & Distribution :

Probability : Concept, Rules of probability (addition & multiplication), Random variables, Mathematical Expectations.

Distribution : Normal & Binomial, Poisson - their properties and uses.

Books Recommended :

- | | | |
|-------------------------------|---|------------------------|
| 1) Applied General Statistics | : | Croxtan & Cowden. |
| 2) Basic Statistics | : | Nag & Das |
| 3) Basic Statistical Methods | : | Taro Yamane |
| 4) Fundamental of Statistics | : | Goon, Gupta & Dasgupta |
| 5) Fundamentals of Statistics | : | S.P.Gupta |
| 6) Fundamental of Statistics | : | Digamber Patri |
| 7) Statistical Methods | : | S.C.Gupta |
| 8) Fundamental Statistics | : | D.N.Elhance |

SEMESTER-V**H-VI Macro Economics****Term end: 80**
Internal : 20**UNIT-I**

Nature, Scope & Significance of Macro Economics; Limitations of Macro Economics; Circular flow of income and expenditure; Importance of circular flow.

UNIT-II

National Income and Social Accounting: Concept and measurement of national Income : National Income identities with Government and External Sector- Four sector model analysis (House hold, Firm, Govt. and external sector)

UNIT-III

Output and Employment : Determination of income a) Classical analysis -Say's law of Market and the Classical theory of Employment, Keynes objection to the Classical theory b) Aggregate demand and aggregate supply function; Keynesian simple income determination model with saving and investment. The principle of effective demand.

UNIT-IV

Consumption function, Average and marginal propensity to consume; Factors influencing consumption, spending; Investment function; Factors influencing investment function - Investment multiplier; theory of investment; Autonomous and induced investment, Marginal efficiency of capital.

UNIT-V

Trade Cycles - Nature and characteristics - Keynes' view on trade cycle; The concept of accelerator; Samuelson and Hicks' (Multiplier - Accelerator) interaction model; Control of trade cycle; Monetary and Fiscal policy with respect to allocation; distribution and growth.

Books Recommended :

- | | | |
|------------------------------------|---|----------------|
| 1) Macro Economics Theory & Policy | : | G. Ackley |
| 2) Macro Economic Analysis | : | E. Shapiro |
| 3) A Guide to Keynes | : | A.H. Hanson |
| 4) Keynes Post Keynesian Economics | : | R.D.Gupta |
| 5) Macro Economics | : | M.L.Jhingan |
| 6) Macro Economics | : | Rana and Verma |
| 7) Macro Economics | : | P.N.Chopra |
| 8) Macro Economics | : | M.C.Vaish |

SEMESTER-VI**H-VII Mathematical Economics****Term end: 80**
Internal : 20**UNIT-I**

Quantitative Methods - Variable, constants and parameters; Simple functional relationship and their graphs; Elementary ideas of differential and integral calculus; Matrix and determinants; Solution of simultaneous equations; Quadratic equations; Difference and differential equations.

UNIT-II

Consumer theory - Utility function, Budget line; Constrained optimization; Consumers equilibrium; Income effect, substitution effect and price effect; Slutsky equation; derivation of demand curve; Elasticity of demand; Consumer's surplus.

UNIT-III

Theory of production - Properties of production function - Homogeneous and nonhomogeneous; Cobb-Douglas, CES, returns to scale; Technology progress and production function, Choice of optimal combination of factors of production; Cost and revenue function; Derivation of cost curves; Relation between total, average and marginal cost and revenue; Production possibility curve; Adding up theorem.

UNIT-IV

Market structure and Pricing- Concept of equilibrium; Equilibrium of the firm under perfect competition, monopoly, price discrimination, monopolistic competition; Economic interpretation of time lag in function; Cobweb model.

UNIT-V

Input-output analysis; Linear Programming-input-output analysis; The simple closed and open model; Dynamic input-output model, Linear programming-basic concepts primal and dual; Basic theorem of Linear programming; Graphic and simplex method. Game Theory - Introduction and concepts-simple and mixed strategy; Saddle point solution; Prisoner's dilemma; Pay-off matrix of a game- two person-two-commodity and zero-sum game.

Books Recommended: -

- | | | |
|---|---|-------------------------|
| 1. Mathematical Analysis for Economics | : | Allen, R.G.D. |
| 2. Fundamental Methods of Mathematical Economics | : | Chiang, A.C. |
| 3. Macro Economic Theory | : | Colell, A.Mas, et al. |
| 4. Introductory Mathematical Economics | : | Hands, D.W. |
| 5. Micro Economic Theory: A Mathematical Approach | : | Henderson & Quandt. |
| 6. Mathematical Method of Economic Analysis | : | Mukherji B.and V.Pandit |
| 7. Economic Dynamics | : | Baumol, W.J. |
| 8. Operations Research | : | Handy, S.T. |

OR

H-VII Economic Systems

Term end: 80
Internal : 20

UNIT-I

Capitalism : Characteristics of capitalism, Achievement and abuses, Allocation, Distribution, Stability and growth, Economic crisis, Prospects of capitalism.

UNIT-II

Socialism : Meaning of Socialism, Difference between communism and socialism, Allocation, Distribution, Stabilisation and growth.

UNIT-III

Marxism : General features, Theory of surplus value, Marxian theory of transition.

UNIT-IV

Mixed Economy : Nature and Characteristics, Conditions of its success, Mixed economy in operation.

UNIT-V

Indian Thinking on Economic Systems : Gandhian Socialism - Containment of materialist wants, Accent on physical labour, Gandhi's emphasis on decentralized and voluntary agencies, Village economy, Trusteeship economy, Gandhi and Marx - comparison, Co-operative socialism of Nehru, Sarvodaya socialism of Jaya Prakash Narayan

Books Recommended :

- | | | |
|--------------------------------------|---|----------------|
| 1) Comparative Economic Systems | : | W.N.Loucks |
| 2) Capitalism Vrs. Socialism | : | A.C.Pigou |
| 3) Capitalism, Socialism & Democracy | : | J.A.Seiumpeter |
| 4) A Text Book of Economic Systems | : | S.M.Israney |
| 5) Economic Systems | : | R.PadhiSharma |
| 6) Comparative Economic Systems | : | K.K.Sen |
| 7) Economic Systems | : | S.M.Desai |
| 8) Comparative Economic Systems | : | Dr.B.Mishra |

H-VIII Public Economics

Term end: 80
Internal : 20

UNIT-I

Functions of Government: Allocation, Distribution & Stabilisation - Need for Government intervention, Provision of social goods, Merit goods, Nature and characteristics of public goods, budget determination, principle of Maximum Social Advantage.

UNIT-II

Public Expenditure : Growth of public expenditure, Wagner's law, Peacock-wiseman hypothesis, Effects of public expenditure.

UNIT-III

Taxation : Characteristics of a good tax system - Shifting and incidence of taxation - Principles of taxation - benefit theory, Ability to pay theory - Subjective and Objective Approach.

UNIT-IV

Direct and Indirect Tax, Proportional, Progressive and Regressive Taxation, Effects of taxation on production, Distribution and employment.

UNIT-V

Public Debt : Types of public debt, burden of public debt, Redemption of public debt, Budget - Balanced and unbalanced budget, Objectives of budgetary policy.

Books Recommended :

- | | | |
|---------------------------------|---|-------------------|
| 1) Public Finance | : | H.Dalton |
| 2) The Theory of Public Finance | : | R.A.Musgrave |
| 3) Modern Public Finance | : | B.P.Herber |
| 4) Modern Public Finance | : | D.M.Mithani |
| 5) Public Finance | : | R.K.Lekhi |
| 6) Public Finance | : | B.P.Tyagi |
| 7) Public Economics | : | Saxena and Mathur |
| 8) Public Finance | : | S.Ganguly |

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EDUCATION (PASS)

There shall be four semesters in two years, two in each year. In each semester there shall be one theory paper of 75 mark. There shall be internal assessment of 15 marks out of 75 and Term-end examination shall have 60 marks. There shall be one question from each unit with alternative. The second and fourth semester shall have practical papers of 50 marks each.

COURSE STRUCTURE**SEMESTER-I**

P-I	Education Society & Pedagogy	75 marks	3 hours
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SEMESTER-II

P-II	Education & Human Development	75 marks	3 hours
Practical-I	Practical in Non-School Situation	50 marks	

SEMESTER-III

P-III	Education & Indian Heritage	75 marks	3 hours
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SEMESTER-IV

P-IV	Methods of Teaching	75 marks	3 hours
Practical-II	Practical in School Situation	50 marks	

TOTAL		400 marks	
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SEMESTER-I

P-I	EDUCATION SOCIETY & PEDAGOGY	Term end: 60
		Internal : 15

Unit I

1. Meaning, Nature and Scope of Education.
2. Aims of Education - Individual, Social, Vocational and Democratic.
3. Agencies of Education.
4. Relation between School & Society.
5. Functions of education.

Unit II

1. Meaning and nature of Educational Philosophy, Relation between Philosophy and Education.
2. Essential aspects of major thoughts on Education with special reference to aims, process, curriculum, discipline and role of teacher - Idealism, Naturalism, and Pragmatism.

Unit III

1. Curriculum: Definition, Principles of curriculum construction.
2. Types of curriculum: Child centered & Life centered curriculum.

Unit IV

Issues in Education:

1. Value Education.
2. Education for National Integration.
3. International Understanding.
4. Population Education.

Unit V

Every student will opt for one method from among Oriya, English, History, Geography, Mathematics, & Science and develop competencies in the following:

1. Preparation of lesson plan.
2. Framing knowledge and understanding based objective type test items.
3. Preparation of Visual Aids.

Suggested readings:

1. Agrawal, JC. Philosophical and Sociological Perspectives on Education. Delhi: Shipra Publication.
2. Agrawal, JC. Theory and Principles of Education. New Delhi: Vikas.
3. Brubacher, JS. Modern Philosophies of Education. New Delhi: Tata McGraw Hill.
4. Chaube, SP. & Chaube, A. Philosophical and Sociological Foundations of Education. Agra: Vinod Pustak Mandir.
5. Dash BN. Principles of Education and Education in the Emerging Indian society. Ajanta Prakashan.
6. Mohanty, J. Foundations of Education. Cuttack: Takshashila.
7. Nayak, BK. A Textbook on Foundations of Education. Cuttack: Kitab Mahal.
8. Nayak, BK. Education in Emerging Indian Society. Berhampur: Taratarini Pustakalaya.
9. Taneja, VR. Educational Thought and Practice. New Delhi: Sterling.

SEMESTER-II

P-II	EDUCATION AND HUMAN DEVELOPMENT	Term end: 60
		Internal : 15

Unit I

1. Psychology- its meaning, nature and scope.
Relationship between Education and Psychology.
Distinction between Psychology and Educational Psychology.
2. Role of Psychology in understanding the individual.

Unit II

1. Stages of human development: Infancy, childhood and adolescence - their needs, significance and problems.
2. Human development and education.
3. Heredity & Environment & their applications in Education.

Unit III

1. Learning: Learning and maturation. Essential aspects of Trial and Error, Conditioning and insightful theories of learning.
2. Laws of learning.
3. Transfer of learning.
4. Motivation in learning.
5. Attention and interest. Nature and conditions for attention, their educational implications.

Unit IV

1. Intelligence - Concept, definition and measurement.
2. Individual Difference - Causes of individual difference, significance of individual difference and educational implications.

Unit V

Elementary Educational Statistics:

1. Classification and organization of data: frequency distribution.
2. Measures of Central tendency - Mean, Median, Mode and their uses.
3. Measures of variability - Range, Quartile Deviation, Standard Deviation and their uses.

Suggested readings:

1. Agrawal, JC. Essentials of Educational Psychology. New Delhi: Vikas.
2. Chaube, SP. Educational Psychology. Agra: LN Agrawal.
3. Dash, BN. A Textbook of Educational Psychology. New Delhi: Dominant.
4. Dash, M. Advanced Educational Psychology. Cuttack: Satyanarayan Book Store.
5. Garrett, HE. Statistics in Psychology and Education. Mumbai: VF&S.
6. Kundu, CL. & Tutoo, BN. Educational Psychology. New Delhi: Sterling.
7. Mangal, SK. Advanced Educational Psychology. New Delhi: Printice Hall of India.
8. Mathur, SS. Educational Psychology. Agra: Vinod Pustak Mandir.
9. Mohanty, MS. Educational Psychology and Statistics. Sambalpur: Sri Durga Pustak Bhandar.
10. Rath, RK. Fundamentals of Educational Psychology. Berhampur: Taratarini Pustakalaya.
11. Rath, RK. Fundamentals of Educational Statistics and Measurement. Berhampur: Taratarini Pustakalaya.

Practical-I PRACTICAL IN NON-SCHOOL SITUATION I

50 Marks

The examination will be conducted in the presence of both internal and external examiners. The Autonomous answer books will be supplied to the candidates. Both the examiners will select the topics from the method opted under paper-I for preparing the lesson plans and distribute them among the candidates on the basis of lottery. The duration of examination will be equal to the theory papers.

Distribution of Marks:

- | | |
|--|--------------------|
| i) Preparation of lesson plan | 20 marks |
| ii) Preparation of knowledge and understanding based objective type test items | (2.5 X 4) 10 marks |
| iii) Preparation of visual aids | 10 marks |
| iv) Viva-voce | 10 marks |

SEMESTER III**P-III EDUCATION & INDIAN HERITAGE**

Term end: 60

Internal : 15

Unit I

1. Education in India during (a) Vedic, (b) Buddhist and (C) Medieval periods.

Unit II

1. Macaulay's minute and Bentinck's resolution of 1835. Adam's report and its recommendations.
2. Wood's Despatch 1854.
3. Recommendations of Indian Education Commission 1882, its influence on subsequent development of education.

Unit III

1. Lord Curzon's educational policy, Growth of national consciousness, National education movement.
2. Educational features of Sadler Commission Report 1917.
3. Wardha Scheme of education 1937.

Unit IV

1. Radhakrishnan Commission 1948.
2. Mudaliar Commission 1952-53.
3. Kothari Commission 1964-66.

Unit V

1. Constitutional provisions for education.
2. National Policy on Education 1986.
3. Education of the focused group: SC, ST, and Women.

Suggested readings:

1. Agrawal, JC. Landmarks in the History of Modern Indian Education. New Delhi: Vikas.
2. Chaube, SP. History and Problems of Indian Education. Agra: Vinod Pustakalaya.
3. Dash, BN. History of Education in India. Delhi: Dominant Publications.

SEMESTER IV**P- IV METHODS OF TEACHING**

Term end: 60
Internal : 15

Any one of the following methods.

ENGLISH

1. i) Importance of English in India. Place of English in school curriculum.
ii) Aims and objectives of teaching English.
2. Methods: Translation method, Direct method, Structural approach, Bilingual method of English teaching.
3. Aids: Need and importance of audio-visual aids, Classification of audio-visual aids, Effective use of audio-visual aids in teaching of English.
4. Teaching of prose (detailed study): Need and purpose of teaching prose. Different steps of teaching prose. Planning the lesson for teaching prose.
Teaching Poetry: Need, purpose and method of teaching poetry. Planning the lesson for teaching poetry.
5. Evaluation: Essay type test - merits and demerits.
Objective type tests - different kinds.
Preparation of objective based objective type test items.

ORIYA

1. Importance of Oriya: place of Oriya in school curriculum. Aims and objectives of teaching Oriya.
2. i) Teaching of Prose: Purpose and Method. Planning lesson for teaching Oriya prose.
ii) Teaching of Poetry: Purpose and Method.
Planning lesson for teaching Oriya poetry.
3. i) Teaching of composition: Purpose and method.
ii) Teaching of Grammar: Purpose and method.
4. Aids: Need and importance of audio-visual aids, Classification of audio-visual aids, Effective use of audio-visual aids in teaching of Oriya.
5. Evaluation: Essay type test - merits and demerits.
Objective type tests - different kinds.
Preparation of objective based objective type test items.

HISTORY

1. i) Place of history in school curriculum.
ii) Importance of teaching history.
iii) Aims and objectives of teaching history.
2. Correlation: Meaning; correlation of history with other school subjects
3. Methods: Story telling; Narration-cum-Discussion; Source method; Field trip; Project method.

4. Aids: Need and importance of audio-visual aids, Classification of audio-visual aids, Effective use of audio-visual aids in teaching of history.
5. Evaluation: Essay type test - merits and demerits.
Objective type tests - different kinds.
Preparation of objective based objective type test items.

GEOGRAPHY

1. i) Importance of teaching Geography.
ii) Place of Geography in school curriculum.
iii) Aims and objectives of teaching Geography.
2. Correlation: Meaning; correlation of Geography with other school subjects.
3. Methods: Lecture method, Discussion method, Demonstration-cum-Discussion method, Observation, Problem solving, Field trip, and Project method.
4. Aids: Need and importance of audio-visual aids, Classification of audio-visual aids, Effective use of audio-visual aids in teaching of Geography.
5. Evaluation: Essay type test - merits and demerits.
Objective type tests - different kinds.
Preparation of objective based objective type test items.

MATHEMATICS

1. i) Importance of teaching mathematics.
ii) Place of mathematics in school curriculum.
iii) Aims and objectives of teaching mathematics.
2. Correlation: Meaning; correlation of mathematics with other school subjects.
3. Methods: Inductive-Deductive, Analytic-Synthetic, Field study, and Project method.
4. Aids: Need and importance of audio-visual aids, Classification of audio-visual aids, Effective use of audio-visual aids in teaching of mathematics.
5. Evaluation: Essay type test - merits and demerits.
Objective type tests - different kinds.
Preparation of objective based objective type test items.

SCIENCE

1. i) Importance of teaching science.
ii) Place of science in school curriculum.
iii) Aims and objectives of teaching science.
2. Correlation: Meaning; correlation of science with other school subjects.
3. Methods: Lecture, Discussion method, Demonstration-cum-Discussion method, Observation, Problem solving, Field trip, and Project method, Laboratory assignment method.
4. Aids: Need and importance of audio-visual aids, Classification of audio-visual aids, Effective use of audio-visual aids in teaching of science.
5. Evaluation: Essay type test - merits and demerits.
Objective type tests - different kinds.
Preparation of objective based objective type test items.

Suggested readings:

1. Bhatia, K. & Bhatia, BD. The Principles and Methods of Teaching.
2. Barua, TC. The English Teacher's Handbook. New Delhi: Sterling.
3. Bose, K. Teaching of English. Delhi: Doaba House.
4. Rai, BC. Method of Teaching English. Lucknow: Prakashan Kendra.
5. Tarinayya, M.(Ed.). English Language Teaching. Chennai: TR Publications.
6. Venkateswaran, S. Principles of Teaching English. New Delhi: Vikas.
7. Verma, OP. & Vedanayagam, EG. Geography Teaching. New Delhi: Sterling.
8. Kochhar, SK. Methods of Teaching History. New Delhi: Sterling.
9. Sidhu, KS. The Teaching of Mathematics. New Delhi: Sterling.
10. Lenka, BP. Sikshaniti -O- Sikshadana Paddhati. Cuttack: Kitab Mahal.
11. Yadav, MS. Teaching of Science. New Delhi: Anmol.

Practical-II PRACTICAL IN SCHOOL SITUATION 50 Marks

Practical in teaching will consist of 10 (ten) practice teaching lessons in the method subject opted under paper I, the record of which will be jointly evaluated by the internal and external examiners at the time of final teaching.

A candidate will deliver one final teaching lesson in the method subject in a school which will be evaluated by one set of internal and external examiners. At the time of final teaching, a candidate is required to submit 2 (two) copies of Lesson Plans for both the examiners. Following is the distribution of marks.

i)	Practice teaching record	10 marks
ii)	Final teaching lesson plan	20 marks
iii)	Audio visual aids	10 marks
iv)	Classroom teaching	10 marks
TOTAL		50 marks

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ENGLISH (Hons)

The total course shall be divided into six semesters, each comprising two units of prescribed texts of authors belonging to different ages. In each paper there shall be one internal assessment of 20 marks. Further, there shall be a viva-voce test of 40 marks in the second unit of the sixth semester. The duration of examination for each paper shall be of 03 hours.

SEMESTER-I

H-I Prose, Poetry and Scansion 100 Marks 3 hours

SEMESTER-II

H-II History of Literature 100 Marks 3 hours

SEMESTER-III

H-III Language, Terms, Concepts and Genres 100 Marks 3 hours

SEMESTER-IV

H-IV Fiction 100 Marks 3 hours

SEMESTER-V

H-V Drama 100 Marks 3 hours

H-VI Non-British Fiction 100 Marks 3 hours

SEMESTER-VI

H-VII Literary criticism and practical criticism 100 Marks 3 hours

H-VIII Phonetics, literary Essay and Viva-Voce 100 Marks 3 hours

TOTAL 800 Marks**SEMESTER-I**

H-I	Prose, Poetry and Scansion	Term End-80 Internal -20
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Unit-I Prose

A Representative Anthology (English Essays) - Blackie Books
Pieces to be studied

- i. Of Studies - Francis Bacon
- ii. Walking Tours - R.L. Stevenson
- iii. The Spectator Club - Richard Steele
- iv. Sir Roger and Wimble - Joseph Addison
- v. Beau Tibbs at Home - Oliver Goldsmith
- vi. On Getting Up On Cold Mornings - James Leigh Hunt
- vii. On Running After One's Hat - G.K. Chesterton
- viii. Dream Children: A Reverie - Charles Lamb
- ix. The Unexpected - Robert Lynd

Unit-II Birds of Paradise (Macmillan India)Pieces to be studied

- i. True Love- W. Shakespeare
- ii. Sweetest Love, I Do Not Go- John Donne
- iii. On His Blindness- John Milton
- iv. Stanzas from an Elegy, written in a Country Churchyard - Thomas Gray
- v. The Education of Nature -W. Wordsworth
- vi. Kubla Khan -S.T. Coleridge
- vii. Ode to the West Wind- P.B. Shelley
- viii. A Prayer for my Daughter- W.B. Yeats
- ix. Strange Meeting- Wilfred Owen
- x. Journey of the Magi- T.S. Eliot

Unit-III Window on the World edited by Prof. R.S. Mishra and Prof. R.S. NandaPieces to be studied

- i. To my sister - W. Wordsworth
- ii. I sometimes hold - Alfred Tennyson
- iii. The old man's longing for summer - H.V. Hofmannsthal
- iv. Telephone conversation - Wole Soyinka
- v. Some Indian Uses of History - A.K. Ramanujan
- vi. Introduction - Kamala Das
- vii. Urban - Nissim Ezekiel
- viii. Somewhere My Man - Jayanta Mohapatra

Unit-IV Annotation from prose and poetry**Unit-V** ScansionQuestion pattern and distribution of marks

Candidates are required to answer one long answer type question from prose and two long answer type questions; one each from the two anthologies of poems carrying 18 marks each (18 \times 3=54). Besides these there shall be two questions on annotation one from the prose anthology and the other from Birds of Paradise, each carrying 08 marks. Further there shall be a question on scansion carrying 10 marks.

SEMESTER-II**H-II History of Literature**

Term End-80
Internal -20

Unit-I The Age of Chaucer**Unit-II** Elizabethan and 17th Century Literature**Unit-III** The Augustan Age**Unit-IV** The Romantic Revival**Unit-V** The Victorian and Modern AgeQuestion pattern and distribution of marks

There shall be 04 long answer type questions (16 marks each) and 04 short answer type questions (04 marks each) with alternatives covering all the units.

Long answers (16 \times 4) = 64 marks

Short answers (4 \times 4) = 16 marks

Total = 80 marks

SEMESTER-III**H-III Language, Terms, Concepts and Genres**

Term End-80
Internal -20

Unit-I History of English language (Modern English period)**Unit-II** Short answer type questions from History of English Language.**Unit-III** Literary terms, image, symbol, simile, metaphor, irony, alliteration**Unit-IV** Concepts - Classicism, Romanticism, Realism, Impressionism, Expressionism**Unit-V** Literary genres - Ballad, Elegy, Epic, Tragedy, Sonnet, ComedyDistribution of marks

One general question with alternatives on Literary Genres = 15 marks

Four short answer type questions on Literary Terms carrying 5 marks

(4 \times 5) = 20 marks

One general question on Concepts = 15 marks

One general question on History of English Language = 15 marks

Three short answer-type questions on History of English Language

(3 \times 5) = 15 marks

Total = 80 marks

SEMESTER-IV**H-IV FICTION**

Term End-80
Internal -20

Unit-I Pride and Prejudice - Jane Austen**Unit-II** Mayor of Casterbridge - Thomas Hardy**Unit-III** A passage to India - E.M. Forster**Unit-IV** Kanthapura - B. Raja Rao

Unit-V Short answer type questions with alternatives from the four novels.

Distribution of marks

Candidates are required to answer 04 essay-type questions, one each from the novels carrying 16 marks (16 4=64 marks) and 04 short answer type questions (4 4=16) with alternatives.

SEMESTER-V

H-V Drama

Term End-80
Internal -20

Unit-I Macbeth - W. Shakespeare

Unit-II The Caretaker - Harold Pinter

Unit-III Silence! The Court is in session - V. Tendulkar

Unit-IV The Death of a Salesman - Arthur Miller

Unit-V Four short answer type questions from the 04 dramas with alternatives.
Candidates are required to answer four essay type questions (one each from the texts mentioned above) with alternatives, carrying 64 marks (16 4) and 04 short answer type questions each carrying 04 marks (4 4=16)

H-VI Non-British Fiction

Unit-I The Old Man And The Sea - E. Hemingway

Unit-II The Outsider - Albert Camus

Unit-III Siddhartha - H. Hesse

Unit-IV Things Fall Apart - C. Achebe

Unit-V Short questions from the four novels prescribed.

Distribution of marks

- | | |
|--|-------------------|
| 1. One long answer type question with alternative from the Old Man And The Sea | = 16 marks |
| 2. One long answer type question with alternative from the Outsider | = 16 marks |
| 3. One long answer type question with alternative from Siddhartha | = 16 marks |
| 4. One long answer type question with alternative from Things Fall Apart | = 16 marks |
| 5. Four short answer type questions with alternatives from the four novels (4 4) | = 16 marks |
| Total | = 80 marks |

SEMESTER-VI

H-VII Literary criticism and practical criticism

Term End-80
Internal -20

Unit-I W. Wordsworth - Preface to Lyrical ballads

Unit-II T.S. Eliot - Frontiers of criticism

Unit-III M. Arnold - Study of poetry

Unit-IV I.A. Richards - Imagination

Text Book - Criticism - A Reading by B. Das and J. Mohanty

Unit-V Practical Criticism (Prose, Poetry, Dialogue)

Suggested reading

1. History of criticism - Harry Blamiers
2. Critical approaches to literature - D. Daiches
3. Practical Criticism - Cox and Dyson
4. Critical Sense - J. Reeves

There shall be three general questions with alternatives from the first four units carrying 20 marks each and three questions from Unit-V one each on prose, poetry and dialogue out of which the students are to answer any two carrying 10 marks each.(10 2=20 marks)

H-VIII Phonetics, Literary Essay and Viva-Voce

Term End-80
Internal -20

The phonology of English, phonetic symbols for consonants, vowels and diphthongs, consonant clusters, the syllable

Question pattern and distribution of marks:

There shall be three short answer type questions on phonetics carrying five marks each (5 3 = 15) and one question on phonetic transcription of five words carrying 1 mark each (1 5 = 5)

There shall be one question with alternatives on literary essay carrying 20 marks.

Viva-voce test will carry 40 marks.

Suggested reading

1. Better English Pronunciation - J.D. O'Connor
2. Literary Essays - W.R. Goodman
3. Phonetics - R.K. Bansal

Unit-I Short answer type questions	(3 x 5)	= 15 marks
Unit-II Phonetic transcriptions	(1 x 5)	= 05 marks
Unit-III Literary Essay		= 20 marks
Unit-IV Facts (Viva-voce)		= 20 marks
Unit-V Fluency (Viva-voce)		= 20 marks
	Total	= 80 marks

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GEOGRAPHY (HONOURS)**(Semester Pattern) W.e.f. 2007-08**

There shall be six semesters in three years, two semesters each year. In first four semesters there shall be one theory paper in each semester carrying 75 marks in each theory paper. The last two semesters shall have four theory papers in total. There shall be Internal Assessment of 15 marks out of 75 and Term-end examination shall have 60 marks. There shall be one long or short question from each unit with alternative in the term-end examination. The second, fourth, fifth and sixth semesters shall have one practical each: Practical-I, Practical-II, Practical-III and Practical-IV respectively, carrying 50 marks each. The Examination for each practical paper shall be of 6 hours duration.

COURSE STRUCTURE

Paper No.	Title of the Paper	Total Marks	Duration of Examination
SEMESTER-I			
H-I	Morphology of the Earth	75 Marks	3 hours
SEMESTER-II			
H-II	Climatology and Oceanography	75 Marks	3 hours
Practical-I	Quantitative Techniques in Geography	50 Marks	6 hours
SEMESTER-III			
H-III	Environment and Ecosystems	75 Marks	3 hours
SEMESTER-IV			
H-IV	Economic Geography	75 Marks	3 hours
Practical-II	Cartograms and Map Interpretation	50 Marks	6 hours
SEMESTER-V			
H-V	Human Geography	75 Marks	3 hours
H-VI	Geography of the World	75 Marks	3 hours
Practical-III	Field Survey and Map Projection	50 Marks	6 hours
SEMESTER-VI			
H-VII	Regional Geography of India with special Reference to Orissa	75 Marks	3 hours
H-VIII	Regional Development and Planning	75 Marks	3 hours
Practical-IV	Techniques in Regional Development and Planning	50 Marks	6 hours
TOTAL		800 Marks	

Note: (a) The course for Practical paper I shall be covered in both Semester - I and Semester - II (in one practical class of 3 periods), but the examinee shall take the examination at the end of Semester II.

- (b) Similarly, the course for Practical paper II shall be covered in both Semester - III and Semester - IV (in one practical class of 3 periods), but the examinee shall take the examination at the end of Semester IV.
- (c) However, Practical Papers III and IV are to be taught (in two practical classes of 3 periods each during the corresponding semester) and shall also be examined in the corresponding semesters (i.e., Paper III in Semester-V and Paper IV in Semester VI).

SEMESTER - I

H - I (Theory) MORPHOLOGY OF THE EARTH **Term end: 60**
Internal : 15

UNIT - I : Origin of the Earth and Basic Concepts

- Origin of the Earth : Nebular Hypothesis; Tidal Hypothesis; Big Bang Theory
- Evolution of the Earth; Geological Time Scale (Major Events in each Era / Period/Epoch)

UNIT - II : Diastrophism and Structure of the Earth

- Concepts on Non-permanency: Continental Drift Theory; Recent Advancements - Theory of Plate Tectonics and Sea Floor Spreading.
- Concept of Isostasy; Theories of Pratt and Airy; Isostatic Anomalies
- Internal Structure of the Earth; Seismological Evidences; Zoning of Earth's Interior
- Rocks; Their types and Classification

UNIT - III : Orogenesis and Catastrophic Processes

- Orogenesis; Concept of Geosynclines
- Processes of Mountain Building: Theories of Kober and Holmes
- Rock Structures: Folds, Faults, Thrusting and Nappe Structure; Landforms associated with folds and faults
- Earthquakes and Volcanoes: Their Causes; Types; World Distribution.

UNIT - IV : Development of Landforms

- Weathering: Physical and Chemical; Factors affecting Weathering; Mass Wasting
- Cycle of Erosion: Concepts of Davis and Penck
- Erosional work of the following Agents of Erosion and Features Produced by them: Running Water; Ground Water; Glacier; Wind; Waves
- Processes of Slope Development: Concepts of Davis and Penck

UNIT - V : Soils and their Characteristics

- Soil Properties and Capabilities: Texture; Structure; Colour; Water Retention; PH; Organic Composition
- Soil Profile and Horizon: Concept of Pedon

- Soil Forming Processes
- Soil Classification; Major Soil Groups of the World; Characteristics of each Major Soil Type

Reference:

1. Singh, Savinder: Physical Geography.
2. Siddhartha, K., The Earth's Dynamic Surface
3. Thornbury, W.D., Principles of Geomorphology
4. Lobeck, Geomorphology

SEMESTER - II

H - II (Theory) CLIMATOLOGY AND OCEANOGRAPHY Term end: 60
Internal : 15

UNIT - I : Foundations of Climatology

- Meteorology and Climatology; Meaning and Subject matter of Climatology
- Climate and Weather; Elements and Factors of Climate and Weather
- Atmosphere; its Structure and Composition
- Insolation: Receipt of Insolation by Earth-Atmosphere System; Heat Budget of the Earth; Continentality
- Temperature: Vertical and Horizontal Distribution; Inversion of Temperature

UNIT - II : Atmospheric Pressure, Winds and Humidity

- Forces Controlling Atmospheric Motion; Geostrophic Wind; Gradient Wind
- Atmospheric Pressure: Pressure Belts in the World; Shifting of Pressure Belts
- Winds: Planetary Wind System; Periodic Winds; Local Winds
- Upper Air Circulation; Concept of Thermal Wind; Jet Streams- Origin, Types and Characteristics
- General Circulation of the Atmosphere; Hadley Vs. Rossby Regime
- Adiabatic Process; Air Stability and Instability
- Atmospheric Humidity: Parameters of Humidity; Hydrological Cycle; Evaporation; Condensation; Condensation Nuclei; Major Forms of Condensation - Clouds, their types and Characteristics; Minor forms of Condensation - Fog, Mist, Dew; Formation of Precipitation; Types and Characteristics of Rainfall

UNIT - III : Climatic Phenomena

- Airmasses and Fronts: Origin, Growth, types and Characteristics of Airmasses; Air mass Modification and Decay; Frontogenesis and Frontolysis; Characteristics of Cold and Warm Fronts
- Cyclones and Anticyclones: Temperate Cyclones; Polar Front Theory; Tropical Cyclones - Origin, Growth and Characteristics; Influence of Upper Air in Cyclogenesis; Anticyclones

- Monsoon: Characteristics and Effects of Indian Monsoon; Theories and Genesis of Monsoon
- Classification of World Climates: Classification Schemes of Koppen and Thornthwaite.

UNIT - IV : Oceanography - Basic Characteristics

- General Relief of the Ocean Floor; Bottom Relief of Atlantic, Pacific and Indian Ocean Floors; Hypsographic Curve
- Distribution of Salinity and Temperature of Ocean Water
- Ocean Deposits: Classification and Types

UNIT - V : Ocean Dynamics

- Tides: Types and their Effects; Theories on the Formation of Tides
- Oceanic Circulation: Factors Controlling the Origin of Ocean Currents; Currents of the Atlantic, Pacific and Indian Oceans
- Coral Reefs and Atolls; Theories of Darwin and Dana, and Daly

Reference:

1. Trewartha, G.T.,: An Introduction to Climate.
2. Bary, R.G. & R.J. Choley : Atmosphere, Weather and Climate.
3. Menon, P.A. : The Weather.
4. Sidharth, K., Atmosphere Weather & Climate
5. Sidharth, K., Oceanography
6. Sharma & Bhatl, Oceanography for Geographers

PRACTICAL - I (Practical)
QUANTITATIVE TECHNIQUES IN GEOGRAPHY

(This paper carries 50 marks which shall be taught during both Semester-I and Semester-II but shall be evaluated in the End Semester-II Examination. The students are required to maintain neat practical records for which 10 marks are allotted.)

UNIT - I : Geographical Data:

- Characteristics of Geographical Data: Its Nature, Scope and Methods of Collection
- Continuity and Smoothness of Geographical Data
- Types of Spatial Data: Positional, Linear, Areal, Volumetric
- Measurement of Phenomena: Nominal, Ordinal, Interval and Ratio Scales
- Derived Quantities: Averages, Ratios and Densities

UNIT - II : Basic Statistical Techniques:

- Distribution of Data; Grouping of Ungrouped Data; Construction of Histogram and Frequency Polygon, Cumulative Frequency Curve (Ogive)

- Measures of Central Tendency: Mean, Median and Mode (Both for Grouped and Ungrouped Data) and their Representation on the Histogram and Ogives
- " Quartiles and their representation of Ogive; Graphical Determination of Median by constructing Ogives
- Dispersion of Data: Dispersion Diagram; Mean Deviation: Standard Deviation; Coefficient of Variability

UNIT - III : Statistical Relationships:

- Bi-variate Relationships: Scatter Diagram
- Correlation: Spearman's Rank Correlation; Karl Pearson's Product Moment Correlation; Test of Significance
- Regression: Computation of Regression Equation by Least Square Method; Placement of Regression Line on Scatter Diagram

Reference:

1. Mehmood, A: Statistical Methods in Geography.
2. Pal, S.K. : Statistical Techniques- A Basic Approach to Geography.

SEMESTER - III

H- III (Theory) **ENVIRONMENT AND ECOSYSTEMS** **Term end: 60**
Internal : 15

UNIT - I : Concept of Environment:

- Meaning and Concept of Environment
- Environmental Contrasts: Physical and Cultural; Biotic and Abiotic; Global, Continental and Local
- Environmental Changes: Long, Medium and Short Term; Extremes, Hazards and Disasters
- Environmental Controls: Concept of Tolerance; Controls - Light, Temperature, Water, Wind, Edaphic Factors and Biotic Factors

UNIT - II : Environmental Zones:

- Major Environmental Zones of the World: Vahl and Humlum's Scheme of Classification; Concept of Biomes
- Forested Biomes and their Characteristics: Equatorial; Temperate; Boreal
- Intermediate Biomes and their Characteristics: Savanna; Steppe
- Barren Biomes and their Characteristics: Arid; Tundra and Polar

UNIT - III : Concept of Ecosystem:

- Concept of Ecology and Ecosystem
- Structure of Ecosystem and their Types: Trophic Level; Food Chain and Food Web; Concept of Biomass
- Energy Flow in Ecosystems: Forest and Marine Ecosystems

- Natural Cycles: Nutrient Cycles- Phosphorous; Gaseous Cycles - Nitrogen, Oxygen and Carbon

UNIT - IV : Man and Nature:

- Man's Place in the Ecosystem
- Man's Manipulation of the Ecosystem; Human Effects on Different Ecosystem Processes
- Ecological Checks on Population and their Carrying Capacity
- Disharmony between Man and Nature
- Approach for a Balanced Ecosystem; Concept of 'Spaceship Earth'

UNIT - V : Waste and Pollution:

- Classification of Wastes and Pollutants and characteristics of the Main Types
- Air Pollution
- Water Pollution
- Noise Pollution
- Conservation of Environment

Reference:

1. Haggett, P. : Geography, A Modern Synthesis.
2. Singh, S. : Environmental Geography.
3. Simmons, I.G. : Ecology of Natural Resources

SEMESTER - IV

H- IV (Theory) **ECONOMIC GEOGRAPHY** **Term end: 60**
Internal : 15

UNIT - I : Basic Concepts:

- Meaning and Scope of Economic Geography
- Economic Activities and their types: Primary; Secondary; Tertiary
- Economies and their Stage of Development: Developed; Developing and Under-developed

UNIT - II : Geography of Resources:

- Resources: Their Classification; Characteristics of each Type
- Resource Utilisation and its Impact on Environment
- Resource Scarcity Hypothesis

UNIT - III : Primary Activities:

- Agriculture and its Origin; Factors Influencing Agriculture
- Factors Influencing the Location of Agricultural Activities; Von Thunen's Theory of Agricultural Location
- World Agricultural Types and their Characteristics
- Problems and Prospects of Agriculture; Soil erosion and Management

- Fishing: Types and Characteristics; Distribution of Major Fishing Grounds in the World
- Forestry: Types and Characteristics: Factors Affecting Lumbering; Forest Conservation and Management

UNIT - IV : Secondary Activities - Mineral and Power:

- Mineral Fuels: Coal and Mineral Oil; Their Mode of Occurrence, World Distribution and Production; Oil Refineries
- Hydel Power: World Distribution and Production
- Non-conventional Sources of Energy
- Minerals: Iron Ore and Bauxite; Their Mode of Occurrence, Distribution and Production

UNIT - V : Secondary Activities - Industries:

- Classification of Industries (On the basis of World Location)
- Factors Influencing Location of Industries
- Theories of Industrial Location: Weber and Smith
- World Distribution of Major Industries: Iron and Steel, Aluminium and Textile

Reference:

1. Goh, Cheng, Leong : Human and Economic Geography.
2. Zimmerman : World Resources and Industries.
3. Roy, P. : Economic Geography.
4. Alexander, J.W. : Economic Geography.
5. Sadhukhan, S.K. : Economic Geography

PRACTICAL - II (Practical) **CARTOGRAMS AND MAP INTERPRETATION**

(This paper carries 50 marks which shall be taught during both Semester-III and Semester-IV but shall be evaluated in the End Semester-IV Examination. The students are required to maintain neat practical records for which 10 marks are allotted.)

UNIT - I : Qualitative Representation of Geographical Data:

- Use of Symbols, Colour, Shading and Tint for making Maps
- Drawing of Maps by the Use of Point Pattern Symbols
- Drawing of Maps by the Use of Linear Pattern Symbols: Roads and Stream Networks
- Drawing of Maps by the Use of Areal Pattern Symbols: Soil and Physiography Maps

UNIT - II : Quantitative Symbolisation:

- Use of Point Pattern Proportionate Symbols: Dots, Multiple Dots, Circles and Spheres

- Use of Point Pattern Segmented and Graduated Symbols: Bar Diagram and Wheel Diagram
- Use of Linear Pattern Symbols: Traffic Flow Cartogram, Isoleth Maps - Isohyet, Isotherm

UNIT - III : Quantitative Diagrams and Maps:

- Drawing of Graphs: Hythergraph, Climograph, Ergograph
- Drawing of Profiles: Serial, Superimposed, Projected and Composite
- Use of Areal Pattern Symbols: Choropleth Maps

UNIT - IV : Map Interpretation:

- Interpretation of Indian Daily Weather Map
- Interpretation of Toposheets
- Interpretation of Geological Map

Reference:

1. Monkhouse, F.J. : Maps & Diagrams.
2. Singh, R.L. & R.P.B. Singh : Practical Geography.
3. Robinson et. al. : Elements of Cartography.

SEMESTER - V

H - V (Theory)

HUMAN GEOGRAPHY

Term end: 60

Internal : 15

UNIT - I : Basic Concepts:

- Meaning and Scope of Human Geography
- Human Diversity: Emergence of Human Race; Races of Mankind; Cultural Evolution of Man; Cultural Realms of the World
- Factors Influencing Intermixing of Different Cultures

UNIT - II : Man and Environment:

- Man's Response to Different Environments: Equatorial Forests; Deserts; Tundra
- Environment and Man: Determinism; Possibilism; Probablism
- Geographical Thoughts on Man-Environment Relationship: Humboldt, Ritter, Ratzel, de la Blache, Taylor

UNIT - III : Population Geography:

- Factors Affecting the Distribution of Population
- Distribution and Density of World Population
- Population Change: Fertility; Mortality; Migration
- Population Growth: Trends of Population Growth in the World; Problems of Population Growth

UNIT - IV : Settlement Geography:

- Origin and Growth of Settlements
- Rural and Urban Settlements: Concepts, Types and Patterns
- Functional Classification of Towns
- Urban Morphology; Concepts Urban Fringe and Umland
- Concept of Central Place and Complimentary Region; Central Place Theory of W. Christaller

UNIT - V : Political Geography:

- Political Geography: Its Meaning and Scope; Its Relation to Geopolitics
- Concept of Nation and State; Frontiers and Boundaries
- Global Strategic View: Theories of Heartland and Rimland
- Core Area; Nature and Importance; Core Area Concept
- Capital: Their types; Federal Capital

Reference:

1. Hussain, Majid : Human Geography.
2. Johnston, R. : Human Geography.
3. Dikshit, R.D. : Political Geography.
4. Singh, R.Y. : Geography of Settlement.
5. Goh, Cheng, Lyong : Human and Economic Geography.

H - VI (Theory) GEOGRAPHY OF THE WORLD

Term end: 60
Internal : 15

UNIT - I: Physical Geography of the World:

- The planet earth: Shape and size; Latitude and Longitude; Time and Time Zones
- Major landform regions of the World: Climatic zones of the World
- Natural Regions of the World

UNIT - II: Asia and Europe - Physical Geography:

- Physiography, Drainage, Climate, Natural Vegetation

UNIT - III: North and South America- Physical Geography:

- Physiography, Drainage, Climate, Natural Vegetation

UNIT - IV: Africa and Australia - Physical Geography:

- Physiography, Drainage, Climate, Natural Vegetation

UNIT - IV: U.S.A. and China - Physical Geography:

- Physiography, Drainage, Climate, Natural Vegetation

References:

1. Pounds, N.J.G. : World Geography.
2. Hussain, Majid : World Geography.
3. Cressey, G.B. : Asia - Lands and People
4. Pounds, N.J.G. : Europe - A Regional Geography
5. Coysh & Tomlinson : The Southern Continents
6. Negi : The continent of Asia
7. Paterson : North America
8. Sil, A.K. : U.S.A., China and Japan

PRACTICAL - III (Practical) SURVEY AND MAP PROJECTION

(This paper carries 50 marks which shall be evaluated in the End Semester Examination. The study tour report shall be evaluated out of 10 marks. The students are required to maintain neat practical records for which 10 marks are allotted.)

UNIT - I : Field Survey:

- Types of Survey; Field Survey Methods and the Use of Instruments; Socio-Economic Survey - Preparation of Questionnaire
- Plane Table Survey
- Prismatic Compass Survey
- Survey with the help of Theodolite : Horizontal and Vertical
- Dumpy Level Survey - Method of Contouring

UNIT - II : Co-ordinate System and Map Projection:

- Shape, Size and dimensions of the Earth; The Co-ordinates- Plane, Spherical and Rectangular
- Map Projection: Basic Attributes of Projection; Classification; Choice of Map Projection
- Construction of Map Projections:
 - (a) Cylindrical: Cylindrical Equal Area
 - (b) Zenithal: Gnomonic, Stereographic, Orthographic, Equidistant, Equal Area
 - (c) Conical: With One Standard Parallel, With Two Standard Parallel, Polyconic, Bonnes Modified

UNIT - III : Socio-Economic Survey:

The students are required to undertake a socio-economic survey of a village and prepare a study tour report and submit the same with the signature of the guide for evaluation at the time of examination.

References:

1. Gopal Singh : Practical Geography.
2. Singh, R.L. & R.P.B. Singh : Practical Geography.

3. Robinson et. al. : Elements of Cartography.
 4. Kanetkar : Survey Methods and Techniques
 5. Kellaway : Map Projections

SEMESTER - VI

**H - VII (Theory) REGIONAL GEOGRAPHY OF INDIA WITH
 SPECIAL REFERENCE TO ORISSA** Term end: 60
 Internal : 15

UNIT - I : Geography of India - Physical Aspects:

Introduction; Geology and Evolution; Physiography and Relief; Drainage; Climate and Climatic Regions; Vegetation; Soils

UNIT - II : Geography of India - Economic Aspects:

- Agriculture: Types and Characteristics; Production and Distribution of Major Crops - Rice, Wheat, Cotton, Tea, Jute, Sugarcane; Agricultural Regions; Problems and Prospects of Agriculture
- Irrigation: Types and Distribution; Major Irrigation Projects
- Mineral Resources: Production, Distribution and Utilisation of:- Iron Ore, Bauxite, Manganese, Chromite and Limestone
- Power Resources: Production and Distribution of :- Coal, Petroleum, Hydel Power and Nuclear Power
- Industry: Production and Distribution of:- Iron and Steel, Cotton Textile, Aluminium, Fertiliser and Petro-chemicals; Major Industrial Regions
- Transport: Railways, Roadways, Airways and Waterways

UNIT - III : Geography of India - Social Aspects:

- Population: Distribution and Density of Population; Population Growth and Associated Problems; Rural-Urban Population
- Settlements: Types and Patterns of Rural Settlements; Urban Settlements and their Distribution; Problems of Urban Settlements
- Natural Regions: Regional Study of:- Middle Ganga Plain, Chhotanagpur Plateau, Kaveri Delta, Kashmir Valley

UNIT - IV : Geography of Orissa - Physical Aspects:

Introduction; Physiography and Relief; Drainage; Climate; Natural Vegetation; Soils; Regional Study of:- Orissa Coastal plain, Kalahandi

UNIT - V : Geography of Orissa - Socio-Economic Aspects:

- Population: Distribution and Density of Population; Settlement Types and Distribution
- Agriculture: Production and Distribution of Major Crops - Rice, Jute, Sugarcane; Problems and Prospects; Irrigation - Types and Projects

- Minerals and Power: Production and Distribution of:- Iron Ore, Bauxite, Chromite, Limestone, Coal, Hydel Power
- Industries: Iron and Steel, Cement and Cotton Textile; Industrial Belts
- Transport: Types and Distribution of Networks

References:

1. Sharma & Cutinho : Economic and Commercial Geography of India.
 2. Khuller : Geography of India.
 3. Sinha, B.N. : Geography of Orissa.
 4. Spate, O.H.K. : India and Pakistan

H - VIII (Theory) REGIONAL DEVELOPMENT AND PLANNING

Term end: 60
 Internal : 15

UNIT - I : Basic Concepts:

- Concepts of Growth, Development and Planning
- Sectoral Planning vis.a.vis Regional Planning
- Concept of Region: Formal and Functional; Planning Region; Hierarchy of Regions
- Environmental Planning and Sustainable Development

UNIT - II : Regionalisation:

- Criteria for Delimiting Regions: Formal and Functional Regions
- Criteria for Delimiting Planning Regions: Choice of Indicators; Elimination of Scale Biasness of the Variables; Method of Boundary Girdle; Composite Index
- Levels of Development: Ashok Mitra's Method; V.Nath's Method

UNIT - III : Theories on Regional Development and Planning:

- Growth Pole and Growth Centre Approaches
- Micro-Level Planning and Rural Service Centres
- Multilevel Planning
- Territorial Production Complex Approach
- Land-use Planning

UNIT - IV : Strategies for Regional Development:

- Basic Strategies for Regional Development
- Intertwining of Sectoral and Regional Plans
- Balanced Area Development
- Rural Development Planning

UNIT - V : Regional Development and Planning in India:

- Five Year Plans: A Review
- Special Area Development Programmes: Hill Area Development; Tribal Area Development; Draught Prone Area Programme; Watershed Development

- Intensive Rural Development Programme (IRDP)
- District Planning and Block Level Planning
- Levels of Development in India

Reference:

1. Chandana, R. : Regional Planning.
2. Mishra, Sundaram, Prakash Rao : Regional Planning in India.
3. Raza, Munis (Ed) : Regional Planning - Concept Publications.
4. Chand & Puri : Regional Planning in India
5. Mishra. R.P. (Ed) : Regional Planning - Concepts and Techniques
6. Hilhorst : Regional Planning
7. Glasson : Regional Planning

PRACTICAL - IV (Practical) TECHNIQUES IN REGIONAL DEVELOPMENT AND PLANNING

(This paper carries 50 marks which shall be evaluated in the End Semester Examination. The Project Report carries 20 marks. The students are required to maintain neat practical records for which 10 marks are allotted.)

UNIT - I : Use of Spatial Data for Planning:

- Selection and Choice of Indicators: Statistical Behaviour of Selected Development Indicators by Computing:- Central Tendency and Coefficient of Variability
- Elimination of Scale Biasness of Variables: Ranking; Location Quotient; Division by Mean; Standard Score
- Graphs and Curves: Scatter Diagram for pairs of Variables; Lorenz Curve; Triangular Graph

UNIT - II : Cartographic Presentation of Development Variables:

- Choropleth Maps to show the Spatial Variation of Development Variables
- Drawing of Wheel Diagrams of Regional Maps to show the Distribution of: Occupational Structure; Land-use
- Bhatia's Method for Agricultural Regionalisation
- Method of Composite Index - Assignment of Weightages; Ranking
- Rural Service Centre Hierarchy - By Assigning Weightages to Amenities

UNIT - III : Project Report:

A project report shall be prepared by a student on any assigned topic on regional Development by using secondary data and submitted for evaluation at the time of examination.

Reference:

1. Mehmood, Aslam : Statistical Methods in Geography.
2. Kundu, Amitabh in Mishra. R.P. (Ed) : Regional Planning - Concepts and Techniques

HISTORY (PASS) COURSES OF STUDIES

The Pass course in History shall comprise four papers. There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have five long and short questions with alternatives (one with an alternative from each unit); questions carrying equal marks.

COURSE STRUCTURE**SEMESTER-I**

P-I History of India (From early time to 1526 AD) 100 marks

SEMESTER-II

P-II History of Orissa (From early time to 1568 AD) 100 marks

SEMESTER-III

P-III History of India (From 1526 AD to 1947 AD) 100 marks

SEMESTER-IV

P-IV History of Modern World (From 1789AD to 1919 AD) 100 marks

HISTORY (PASS) SEMESTER-I

**P-I History of India (from early time to 1526 AD) Term end: 80
Internal : 20**

Unit-I 1. Sources of Ancient Indian History - Archaeological, Literary and Foreign Accounts.

2. Indus Valley Civilization (Town Planning)

Unit-II 1. Rig Vedic Age (Polity and Religion)

2. Life and Teachings of Gautama Buddha and Mahavir Jaina

Unit-III 1. Ashok - As a ruler

2. Kanishka -Achievements

Unit-IV 1. Culture under the Guptas

2. Harsha - Imperial Expansion and Religion

Unit-V 1. Invasion of Muhammad of Ghor

2. Ala-ud-Din Khiliji - His Market Regulation

Books Recommended

1. D.D. Kosambi - Culture and civilization in India in Historical Outline
2. R. Thapar - Ashoka and the Decline of the Mauryas
3. H.C. Roy Choudhury - Political History of Ancient India
4. N.N. Ghosh - Early History of India
5. A.L. Basam - The Wonder that was India
6. R.C.Majumdar(Ed) - Age of Imperial Unity
7. R.C.Majumdar(Ed) - The Classical Age
8. R.C. Majumdar - The Delhi Sultanate
9. A.L. Srivastava - Sultanate of Delhi
10. Iswari Prasad - Medieval India
11. Meera Singh - Medieval India
12. P. Maiti and P.K. Saha - Medieval India

SEMESTER-II

**P-II History of Orissa (from early time to 1568 AD) Term end: 80
Internal : 20**

- Unit-I** 1. Historical Geography of Orissa - Kalinga, Utkala and South Kosala
2. Kalinga War - Causes and effects
- Unit-II** 1. Militarism in Orissa under Kharavela
2. Gupta influence in Orissa
- Unit-III** 1. Sailodbhavas - Achievements of the Sailodbhava rulers
2. Bhaumakaras - Achievements of Bhauma Queens
- Unit-IV** 1. Somavamsis - Achievements of Janmejaya, Jajati-I, Jajati-II
2. Imperial Gangas - Achievements of Chodagangadeva.
- Unit-V** 1. Suryavamsi Gajapatis - Career and achievements of Kapilendra Dev
2. Fall of Orissa Empire - Causes

Books Recommended

1. N.K. Sahu - Utkal University History of Orissa Vol-I
2. J.K. Sahu - Historical Geography of Orissa
3. A.C. Mittal - An Early History of Orissa
4. N.K. Sahu, P.K. Mishra, J.K. Sahu - History of Orissa
5. K.C. Panigrahi - History of Orissa
6. S. Pradhan (Ed) - History, Culture and Archaeology of Orissa
7. A.C. Pradhan - A Study of History of Orissa
8. D.B. Mishra - Concise History of Orissa
9. R. Subramaniyam - The Suryavamsi Gajapatis of Orissa

SEMESTER-III

**P-III History of India (1526-1947 AD) Term end: 80
Internal : 20**

- Unit-I** 1. Babur -His conquests in India
2. Shershah - His administration
- Unit-II** 1. Akbar - Efforts for Hindu-Muslim Unity.
2. Shivaji - His administration
- Unit-III** 1. Socio-religious reform movements-Brahmo Samaj and Arya Samaj
2. Revolt of 1857 - causes and effects
- Unit-IV** 1. Growth of National Consciousness - Causes
2. Indian National Congress - Birth, Aims and Objectives
- Unit-V** 1. Emergence of Gandhi in Indian Politics
2. Subash Chandra Bose and INA

Books Recommended :

1. A.L. Srivastav - The Mughal Empire
2. Iswari Prasad - Medieval India
3. S.R. Sharma - Crescent in India
4. Sumit Sarkar - Modern India 1885-1947
5. Bipan Chandra, A. Tripathy and Barun De - Freedom Struggle
6. K.L. Khurana - The Mughal Empire (1526-1707 AD)
7. Tara Chand - History of Freedom Movement in India (in 3 vols)
8. K.L. Khurana - Modern India

SEMESTER-IV

**P-IV History of Modern World (1789-1919 AD) Term end: 80
Internal : 20**

- Unit-I** 1. French Revolution of 1789 - Causes and effects
2. Napoleon Bonaparte - Consulate
- Unit-II** 1. The Congress of Vienna of 1815
2. The Matternich System
- Unit-III** 1. Unification of Italy - Role of Mazzini, Garibaldi and Cavour
2. Unification of Germany - Role of Bismarck
- Unit-IV** 1. Alexander-II - Czar the Liberator
2. Russian Revolution of 1917 - Causes and effects
- Unit-V** 1. Causes of First World War
2. Treaty of Versailles - A dictated peace

Books Recommended :

1. P. Maiti - History of Europe
2. C.D. Hazen - History of Modern Europe
3. P.K. Mishra and P.P. Mishra - Modern World
4. David Thomson - Europe since Napoleon
5. L.C.B. Seaman - From Vienna to Versailles

HISTORY (HONS) COURSES OF STUDIES

The Honours course in History shall comprise 08 (eight) papers. There shall be one paper each in Semester-I, Semester-II, Semester-III and Semester-IV and two papers each in Semester-V and Semester-VI. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks of Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have five long and short questions with alternatives (one with an alternative from each unit); questions carrying equal marks.

COURSE STRUCTURE

SEMESTER-I

H-I History of India (From early time to 1526 AD) 100 marks

SEMESTER-II

H-II History of Orissa (From early time to 1568 AD) 100 marks

SEMESTER-III

H-III History of India (From 1526 AD to 1947 AD) 100 marks

SEMESTER-IV

H-IV History of Modern World (From 1789AD to 1919 AD) 100 marks

SEMESTER-V

H-V History of Orissa (From 1568AD to 1948 AD) 100 marks

H-VI Freedom Movement and Constitutional Development in India 100 marks

SEMESTER-VI

H-VII Indian Art and Architecture 100 marks

H-VIII History of England (From 1485AD to 1760 AD) 100 marks

HISTORY (HONS)
SEMESTER-I

H-I	History of India (from early time to 1526 AD)	Term end: 80 Internal : 20
Unit-I	1. Sources of Ancient Indian History - Archaeological, Literary and Foreign Accounts. 2. Indus Valley Civilization (Town Planning)	
Unit-II	1. Rig Vedic Age (Polity and Religion) 2. Life and Teachings of Gautama Buddha and Mahavir Jaina	
Unit-III	1. Ashok - As a ruler. 2. Kanishka -Achievements	
Unit-IV	1. Culture under the Guptas 2. Harsha - Imperial Expansion and Religion	
Unit-V	1. Invasion of Muhammad of Ghor 2. Ala-ud-Din Khiliji - His Market Regulation	

Books Recommended

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2. R. Thapar - Ashoka and the Decline of the Mauryas
3. H.C. Roy Choudhury - Political History of Ancient India
4. N.N. Ghosh - Early History of India
5. A.L. Basam - The wonder that was India
6. R.C.Majumdar(Ed) - Age of Imperial Unity
7. R.C.Majumdar(Ed) - The Classical Age
8. R.C. Majumdar - The Delhi Sultanate
9. A.L. Srivastava - Sultanate of Delhi
10. Iswari Prasad - Medieval India
11. Meera Singh - Medieval India
12. P. Maiti and P.K. Saha - Medieval India

SEMESTER-II

H-II	History of Orissa (from early time to 1568 AD)	Term end: 80 Internal : 20
Unit-I	1. Historical Geography of Orissa - Kalinga, Utkala and South Kosala 2. Kalinga War - Causes and effects	
Unit-II	1. Militarism in Orissa under Kharavela 2. Gupta influence in Orissa	
Unit-III	1. Sailodbhavas - Achievements of the Sailodbhava rulers 2. Bhaumakaras - Achievements of Bhauma Queens	
Unit-IV	1. Somavamsis - Achievements of Janmejaya, Jajati-I, Jajati-II 2. Imperial Gangas - Achievements of Chodagangadeva	
Unit-V	1. Suryavamsi Gajapatis - Career and achievements of Kapilendra Dev 2. Fall of Orissa Empire - Causes	

Books Recommended :

1. N.K. Sahu - Utkal University History of Orissa Vol-I
2. J.K. Sahu - Historical Geography of Orissa
3. A.C. Mittal - An Early History of Orissa
4. N.K. Sahu, P.K. Mishra, J.K. Sahu - History of Orissa
5. K.C. Panigrahi - History of Orissa
6. S. Pradhan (Ed) - History, Culture and Archaeology of Orissa
7. A.C. Pradhan - A Study of the History of Orissa
8. D.B. Mishra - Concise History of Orissa
9. R. Subramaniam - The Suryavamsi Gajapati of Orissa
10. B.Mishra -Medieval Orissa & Cult of Jagannath

SEMESTER-III

H-III	History of India (1526-1947 AD)	Term end: 80 Internal : 20
Unit-I	1. Babur -His conquests in India 2. Shershah - His administration	
Unit-II	1. Akbar - Efforts for Hindu-Muslim Unity 2. Shivaji - His administration	
Unit-III	1. Socio-religious reform movements-Brahmo Samaj and Arya Samaj 2. Revolt of 1857 - causes and effects	
Unit-IV	1. Growth of National Consciousness - Causes 2. Indian National Congress - Birth, Aims and Objectives	
Unit-V	1. Emergence of Gandhi in Indian Politics 2. Subash Chandra Bose and INA	

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2. Iswari Prasad - Medieval India
3. S.R. Sharma - Crescent in India
4. Sumit Sarkar - Modern India 1885-1947
5. Bipan Chandra, A. Tripathy and Barun De - Freedom Struggle
6. K.L. Khurana - The Mughal Empire (1526-1707 AD)
7. Tara Chand - History of Freedom Movement in India (in 3 vols)
8. K.L. Khurana - Modern India

SEMESTER-IV

**H-IV History of Modern World (1789-1919 AD) Term end: 80
Internal : 20**

- Unit-I** 1. French Revolution of 1789 - Causes and effects
2. Napoleon Bonaparte - Consulate
- Unit-II** 1. The Congress of Vienna of 1815
2. The Metternich System
- Unit-III** 1. Unification of Italy - Role of Mazzini, Garibaldi and Cavour
2. Unification of Germany - Role of Bismarck
- Unit-IV** 1. Alexander-II - Czar the Liberator
2. Russian Revolution of 1917 - Causes and effects
- Unit-V** 1. Causes of First World War
2. Treaty of Versailles - A dictated peace

Books Recommended

1. P. Maiti - History of Europe
2. C.D. Hazen - History of Modern Europe
3. P.K. Mishra and P.P. Mishra - Modern World
4. David Thomson - Europe since Napoleon
5. L.C.B. Seaman - From Vienna to Versailles

SEMESTER-V

**H-V History of Orissa (1568-1948 AD) Term end: 80
Internal : 20**

- Unit-I** 1. Muslim Rule in Orissa - Administration
2. Maratha Rule in Orissa - Administration
- Unit-II** 1. British Occupation of Orissa
2. Resistance Movement- Paik Rebellion of 1817 - causes and effects
- Unit-III** 1. Surendra Sai - His struggle against the British
2. Growth of Oriya Nationalism - Factors

- Unit-IV** 1. Utkal Union Conference - Its formation and objectives
2. Role of Krishna Chandra Gajapati for the creation of Orissa as a separate province.
- Unit-V** 1. Prajamandal Movement - its origin and development
2. Role of Mahtab in the merger of princely states of Orissa

Books Recommended

1. B.C. Ray - Maratha Rule in Orissa
2. B.C. Ray - Orissa Under the Mughals
3. B.C. Ray - Foundation of British Rule in Orissa
4. J.K. Samal - Orissa under the British Crown
5. P.K. Mishra - Political History of India
6. P.K. Mishra - Political unrest in Orissa in 19th century
7. H. Panda - History of Orissa
8. A.C. Pradhan - A study of History of Orissa
9. H.K. Mahatab - History of Orissa-II
10. S.C. Patra - Formation of Orissa a separate province
11. D.B. Mishra - Concise History of Orissa

**H-VI Freedom Movement and Constitutional Development in India
Term end: 80
Internal : 20**

- Unit-I** 1. Policies and Programmes of Early Nationalists
2. Policies and Programmes of Militant Nationalists with Special Reference to Swadeshi Movement.
- Unit-II** 1. Rise and Growth of Muslim Communalism (1906-1937)
2. Gandhian Movements - Non-cooperation, Civil Disobedience and Quit India
- Unit-III** 1. Role of the Indian National Army in the Freedom Struggle
2. Regulating Act of 1773 - Its provisions and defects
- Unit-IV** 1. Pitt's India Act of 1784 - Provisions and significance
2. The Morley- Minto Reforms of 1909 - Its provisions, merits and demerits
- Unit-V** 1. Act of 1919 - Its features
2. Government of India Act of 1935 - Its main features and defects

Books Recommended

1. A.R. Desai - Social Background to Indian Nationalism
2. B. Chandra - Nationalism and Colonialism in Modern India
3. P. Robert - History of Modern India
4. G.N. Singh - Landmarks in National and Constitutional Development in India
5. Tara Chand - History of the Freedom Movement in India
6. N.C. Rai - Constitutional System in India
7. A. Seal - The Emergence of Indian Nationalism

8. P. Spear - History of India, Vol-II
9. K.L. Khurana - Modern India
10. Ganeswar Nayak - A Study of Modern Indian History

SEMESTER-VI

H-VII Indian Art and Architecture **Term end: 80**
Internal : 20

Unit-I 1. Harappan Art - Sculptures, Terracotta and Seals
2. Asokan Columns

Unit-II 1. Gandhara School of Art
2. Mathura School of Art

Unit-III 1. Stupa Architecture - Sanchi Stupa, No.-1
2. Gupta Sculptures

Unit-IV 1. Rock-cut-Architecture - Udayagiri of Orissa
2. Temple Architecture of Orissa - Mukteswar and Lingaraj Temples

Unit-V 1. Numismatic Art and Symbols - Punch Marked Coins
2. Paintings of Ajanta

Books Recommended :

1. P. Brown - Indian Architecture, Vol-I & II
2. N.R. Roy - Maurya and Sunga Art
3. A.K. Coomaraswamy - History of Indian and Indoasian Art
4. S.K. Saraswati - A Survey of Indian Sculpture
5. J. Ferguson - History of India and Eastern Architecture
6. Griffith - Ajanta
7. K.C. Panigrahi - Archaeological Remains of Bhubaneswar

H-VIII History of England (1485-1760 AD) **Term end: 80**
Internal : 20

Unit-I 1. Henry VII - His Domestic Policy
2. Henry VIII - His Religions Policy

Unit-II 1. Elizabethan Age - A Golden Age
2. James-I - Relation with his Parliaments

Unit-III 1. Charles-I - Eleven years Tyranny (King's Arbitrary Measures)
2. Long Parliament of Charles-I - Its Works

Unit-IV 1. Oliver Cromwell - His Constitutional Experiments
2. Charles-II - Restoration (Monarchy, Parliament and Anglicanism)

- Unit-V** 1. Glorious Revolution of 1688 - Causes and Effects
2. George-III - His Personal Rule

Books Recommended :

1. Ramsay Muir - British History (1485-1939 AD)
2. Carter and Mears - A History of Britain
3. G.B. Adams - Constitutional History of England
4. Sir D.L. Keir - The Constitutional History of Modern Britain Since 1485
5. V.D. Mahajan - England Since 1485
6. Jagannath Pattnaik - History of England
7. K.L. Khurana - Simple History of England

* * * * *

MATHEMATICS (PASS) FOR ARTS & SCIENCE

The Pass course in Mathematics shall comprise four compulsory papers. There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have questions (comprising long and short types) with alternatives from the same unit; carrying equal marks.

SEMESTER-I

P-I	- 80+20 Marks
A. Calculus	- 32 + 8 (Internal Assessment)
B. Ordinary Differential Equations	- 32 + 8 (Internal Assessment)
C. Analytical Solid Geometry	- 16 + 4 (Internal Assessment)

SEMESTER-II

P-II	- 80+20 Marks
A. Linear Algebra	- 48 + 12 (Internal Assessment)
B. Modern Algebra	- 32 + 8 (Internal Assessment)

SEMESTER-III

P-III	- 80+20 Marks
A. Analysis-I	- 48 + 12 (Internal Assessment)
B. Advanced Calculus	- 32 + 8 (Internal Assessment)

SEMESTER-IV

P-IV	- 80+20 Marks
A. Numerical Analysis	- 48 + 12 (Internal Assessment)
B. Linear Programming	- 32 + 8 (Internal Assessment)

SEMESTER-I

P-I	Term End-80
	Internal -20
A. Calculus	32 Marks
Unit-I	Curvature, Asymptotes, Tracing of Curves (Cartenary, Cycloid, Folium of Descartes, Astroid, Limacon, Cissoid and Loops)
Unit-II	Rectification, Quadrature, Volume and Surface area of Solids of revolutions. Books Recommended:
1.	Text book of Calculus (Part-II)- by Shantinakaran, - S Chand & Co. Chapter 8 (Art 24, 25, 26)

2. Text book of Calculus (Part-III)- by Shantinakaran - S Chand & Co.
Chapters: 1 (1, 2), 3, 4 (10-12 omitting Simpson's Rule), 5 (13), 6 (15)

Reference Books

- Text Book of Differential Calculus: Gorakh Prasad, Pothisala Pvt. Ltd., Allahabad
- Text Book of Integral Calculus: Gorakh Prasad, Pothisala Pvt. Ltd., Allahabad
- A Treatise of Differential Calculus: by J. Edward.
- Differential Calculus: by Das & Mukherjee, U.N. Dhar & Sons. Pvt. Ltd., Calcutta
- Integral Calculus: by Das & Mukherjee, U.N. Dhar & Sons Pvt. Ltd., Calcutta
- Advanced Calculus: by David Widder, PHI.

B. Ordinary differential equations**32 Marks**

Unit-III Ordinary differential equations of 1st order and 1st degree (Variable Separable, Linear, homogenous, exact), Equations of 1st order and higher degree.

Unit-IV Second order linear equation with constant coefficients; homogeneous forms
Second order equation with Variable coefficients, Variation of Parameters, Laplace Transformation and its application to solutions of differential equations.

Books Recommended:

- A Course of Ordinary and Partial differential equations by Dr. J. Sinha Roy and Dr. S. Padhy - Kalyani Publishers. Chapters: 2 (2.1 to 2.7), 3, 4 (4.1 to 4.7), 5, 9 (9.1, 9.2, 9.4, 9.5, 9.10, 9.11, 9.13)

Reference Books:

- Introductory Course in Differential Equation: by D.A. Murry (Longman)
- Differential Equation and their Application: by Martin Braun, Springer International.

C. Analytical Solid Geometry**16 Marks****Unit-V**

Sphere: Plane section of a sphere, Intersection of two Spheres, sphere with a given diameter, Equation of circle, Sphere through a given circle. Intersection of a sphere with a line. Equation of Tangent plane. Angle of intersection of two spheres and condition of orthogonality of two spheres.

Cones and Cylinders:

Definition, Equation of a cone with a conic as guiding Curve. Enveloping Cone of a sphere, Condition that the general equation of second degree

should represent a cone. Intersection of a line with a cone. The tangent line and tangent planes at a point. Condition of tangency. The Right circular cone, its definition and equation. Definition and Equation of Cylinder Enveloping by cylinders, Definition and Equation of right circular cylinder. Conicoid: General equation of Conicoid, shapes of some surfaces, central conicoids. Intersection of a line with a conicoid. Tangent line and tangent plane at a point, condition of tangency. The Director sphere.

Books Recommended:

1. Analytical Solid Geometry:- by Shanti Narayan and P.K. Mittal. (S. Chand & Co.) Chapters: 6(6.3, 6.3.1, 6.3.2, 6.3.3, 6.4, 6.4.1, 6.5, 6.6, 6.6.1, 6.7, 6.7.1) 7(7.1, 7.1.1, 7.1.2, 7.2, 7.4, 7.4.1, 7.4.2, 7.6, 7.6.1, 7.7, 7.7.1, 7.8, 7.8.1, 7.8.2) 8(8.1, 8.2, 8.3.1, 8.3.2, 8.3.3)

Reference Books:

- i. An introduction to the theory of quadratic surface by R.N.Das, Kalyani Publishers, New Delhi.
- ii. Textbook of Analytical Geometry of 3 dimensions by P.K.Jain and Khalil Ahmed, Willy Eastern Ltd., New Delhi.

D. Internal Assessment**20 Marks**

Problems relating to all the five units above.

SEMESTER-II**P-II****Term End-80
Internal -20****A. Linear Algebra****48 Marks**

- Unit-I** Vector space, subspace, span, Linear dependence and independence, dimensions and basis.
- Unit-II** Linear transformations, range, kernel, rank, nullity, inverse of a linear map, Rank - nullity theorem, matrices and linear maps, rank and nullity of a matrix, transpose of a matrix, types of matrices.
- Unit-III** Elementary row operations, system of linear equations, matrix inversion using row operations, minor and rank of matrices, Eigen values, Eigenvectors, Quadratic forms.

Book Recommended:

1. An introduction to linear Algebra by V. Krishnamurthy, V.P. Mainra, J.L. Arora (EWP).
Chapter: 3, 4 (4.1 to 4.7), 5 (except 5.3), 6 (6.1, 6.2, 6.5, 6.6, 6.8), 7 (7.4 only)

Reference Books:

- i. Basic structure in Algebra, by J.N. Pattnaik, Kalyani Publisher, Delhi
- ii. Higher Algebra, by A. Kurush, Mir Publication
- iii. Linear Algebra, by S.K. Huffman and R. Kunze, East-West Publisher
- iv. Finite Dimensional Vector Spaces, by Halmos

B. Modern Algebra**32 Marks**

Unit-IV The integer, Groups and subgroups, normal subgroups, quotient groups, group homomorphism.

- Unit-V**
- i. Rings, Special types of rings, ideals and quotient rings, right homomorphism.
 - ii. Preliminaries, property of equations, Descartes's Rules of Science, Relation between roots and co-efficients, symmetric function of roots, Algebraic solution of cubics, nature of roots of a cubic, solution of cubic by Cardan's method, solution of biquadratic.

Books Recommended:

1. Topics in Algebra: by I.N. Herstein, (Vikas Publishing)
Chapters: 1 (1, 3); 2 (2.1 - 2.3); 3 (3.1 - 3.5)
2. Theory of Algebra: by Chandrika Prasad (Pothisala Publishing)
Chapters: 11 (11.1 - 11.4); 12 (12.1 - 12.3, 12.6)

Reference Books:

- i. Higher Algebra: by A. Kurosh, Mir Publishers
- ii. A first course in Abstract Algebra: by J.B. Fraleigh, Addison Wesley Publ. Comp.

C. Internal Assessment**20 Marks**

Problems relating to all the five units above

SEMESTER-III

P-III

Term End-80

Internal -20

48 Marks

A. Analysis-I

Unit-I Algebra of real numbers, Order completeness (Continuum); Density, decimal representation of real numbers, Cardinality, Countability and uncountability (restricted), Convergence of sequences, Limit theorems, Weierstrass Completeness principle, Cantor's Completeness principle, subsequences and Bolzano-Weierstrass Theorem.

Unit-II Cauchy's Completeness Principle, Convergence of Series and series of Positive terms, Analytic Properties of \mathbb{R} and \mathbb{C} .

Unit-III Limits and Continuity of functions, Discontinuity, properties of continuous functions, Infinite limits and limit at infinity, Uniform Continuity, Differentiability of functions, Mean-Value theorems, Indeterminate forms, Higher order derivatives and Taylor's theorem.

Books Recommended:

1. Fundamentals of Mathematical Analysis - by G. Das and S. Pattnaik (TMH) Chapter: 2(2.2. to 2.4; 2.5 to 2.7), 3(3.2, 3.3 (except proofs of Thm.2 and Thm.3), 3.4), 4(4.1 to 4.7, 4.10, 4.11); 5(5.1 to 5.5); 6(6.1 to 6.7, 6.9); 7(7.1 to 7.6).

Reference Books:

- i. Mathematical Analysis: by S.C. Mallik, Willy Eastern, Pvt. Ltd.
- ii. A course of Mathematical Analysis: by Shanti Narayan, P.K. Mittal, S. Chand and Com.

B. Advanced Calculus:

32 Marks

Unit-IV Limits and continuity of a function of several variables, Partial derivatives, Homogenous functions, change of variables, Mean-Value Theorem, Maclaurin's Theorem.

Unit-V Maxima and Minima of a function of two and three variables, (NASC without proof), Lagrange's Multiplier, Multiple integral. Vector differentiation, Grad, div, curl, line integral, surface and volume integrals; Statements of Gauss, Stoke's and Green's theorems (without proof).

Books Recommended:

1. Mathematical Analysis - by S.C. Mallick, S. Arora and others. (New-Age International) Chapter: 15 (1 to 10), 17, 18.
2. Topics in Calculus - R.K. Panda and P.K. Satapathy.

Reference Books:

- i. Advanced Engineering Mathematics: by Erwin Kreyszig, Wiley Eastern Ltd.

C. Internal Assessment

20 Marks

Problems from topics Covered under Units I to V above.

SEMESTER-IV

P-IV

Term End-80

Internal -20

48 Marks

A. Numerical Analysis

Unit-I Number system and Errors, Binary numbers, Octal numbers, hexa-decimal numbers, Floating point Arithmetic, K-digit Arithmetic, Errors, Sources of Errors. Numerical Solution of non-linear equations, method of bisection, Regula-Falsi method, Secant method, Newton - Raphson method, Fixed point iteration method, Aitken's 2-process.

Unit-II Polynomial Interpolation, Existence and uniqueness of interpolating polynomials, Lagrange's Interpolating polynomial, Error in Interpolation, Newton's Divided Difference Interpolating Polynomial, Forward and Backward Difference operators, Newton's Forward Difference Interpolation Formula, Newton's Backward Difference Interpolation Formula. Approximation of Functions, Discrete least square approximation.

Unit-III Numerical Differentiation, Simple Numerical methods, Interpolatory Formulas, Numerical Integration, Simple Quadrature Rules, Newton's-Cotes' Rule, Gauss Quadrature Rule, Gauss - Legendre Rule, Numerical Solution of Differential Equation, Picard's method, Euler's method, modified Euler's method, Runge-Kutta methods.

Remark: Scientific calculator may be allowed for the numerical analysis.

Books Recommended:

1. A Course on Numerical Analysis by B.P. Acharya and R.N. Das (Kalyani) Chapter: 1;2(2.1 to 2.4, 2.6, 2.8, 2.9); 3(3.1 to 3.4, 3.6 to 3.8, 3.10); 4(4.1, 4.2); 5(5.1, 5.2, 5.3); 6(6.1, 6.2, 6.3, 6.10, 6.11); 7(7.1, 7.2, 7.3, 7.4, 7.7).

Reference Books:

- i. Introductory methods of numerical analysis: by G.S.S. Sastry, PHI, ND
- ii. Finite Differences and Numerical Analysis: by H.L. Saxena, S. Chand and Comp.
- iii. Introduction to Numerical Analysis: by F.B. Hildebrand Magraw Hill, NY
- iv. Numerical methods for Scientists and Engineering: by R.G. Stanton, PHI

B. Linear Programming**32 Marks**

Unit-IV Linear programming problem: formulation of LP problems, graphical solutions of two variables problems, general formulation of LPP, slack and surplus variables, standard form of LPP, matrix form of LPP, some important definitions, applications of LP.

Unit-V Simplex Method: some more definitions and notations, computational procedure, artificial variable techniques.

Book Recommended:

1. Operations research by S.D. Sharma, Kedar Nath Ram Nath and Co., Meerut, Thirteenth Edition (improved and enlarged edition)
Chapter: 3 (3.1-3.8, 3.11), 5 (5.1-5.5)

Reference Books:

- i. Operations Research: by P.K. Gupta, Kanti Swarup, Man Mohan, Sultan Chand and Sons, Dargaganj, New Delhi-110002.
- ii. Operations Research by B.S. Goel and S.K. Mittal, Pragati Prakashani, Meerut.
- iii. Linear programming problem, by S.I. Gauss.
- iv. Linear programming by T.N. Mallik, U.N. Dhar and sons Pvt. Ltd, Calcutta.
- v. Operations Research by Prem Kumar Gupta, S. Mica, S. Chand and Com.

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MATHEMATICS (HONS)

The Honours course in Mathematics shall comprise 08 (eight) papers. There shall be one paper each in Semester-I, Semester-II, Semester-III and Semester-IV and two papers each in Semester-V and Semester-VI. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks of Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have questions (comprising long and short types) with alternatives from the same unit; carrying equal marks. Paper-VIII has an alternative practical component and Paper-VII has three elective groups, out of which one has to be chosen. The rest papers are compulsory.

SEMESTER-I

H-I	-	80+20 Marks
A. Calculus	-	32 + 8 (Internal Assessment)
B. Ordinary Differential Equations	-	32 + 8 (Internal Assessment)
C. Analytical Solid Geometry	-	16 + 4 (Internal Assessment)

SEMESTER-II

H-II	-	80+20 Marks
A. Linear Algebra	-	48 + 12 (Internal Assessment)
B. Modern Algebra	-	32 + 8 (Internal Assessment)

SEMESTER-III

H-III	-	80+20 Marks
A. Analysis-I	-	48 + 12 (Internal Assessment)
B. Advanced Calculus	-	32 + 8 (Internal Assessment)

SEMESTER-IV

H-IV	-	80+20 Marks
A. Numerical Analysis	-	48 + 12 (Internal Assessment)
B. Linear Programming	-	32 + 8 (Internal Assessment)

SEMESTER-V

H-V	-	80+20 Marks
A. Partial Differential Equations	-	48 + 12 (Internal Assessment)
B. Probability	-	32 + 8 (Internal Assessment)

H-VI

	-	80+20 Marks
A. Analysis-II	-	48 + 12 (Internal Assessment)
B. Complex Analysis	-	32 + 8 (Internal Assessment)

SEMESTER-VI

H-VII	-	80+20 Marks
A. Anyone of the Elective Groups	-	

H-VIII

	-	80+20 Marks
A. (i) Discrete Mathematics	-	48 + 12 (Internal Assessment)
(ii) Programming in C (without practical)	-	32 + 8 (Internal Assessment)

OR

B. Programming in C (with practical)	-	80 + 20 (Internal Assessment)
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ELECTIVE GROUPS**GROUP-I**

- A. Financial Mathematics - 48 + 12(Internal Assessment)
 B. Number Theory - 32 + 8(Internal Assessment)

GROUP-II

- A. Mathematical Modelling - 48 + 12(Internal Assessment)
 B. Mechanics - 32 + 8(Internal Assessment)

GROUP-III

- A. Differential Geometry - 48 + 12(Internal Assessment)
 B. Operations Research - 32 + 8(Internal Assessment)

SEMESTER-I

H-I **Term End-80**
Internal -20

A. Calculus **32 Marks**

Unit-I Curvature, Asymptotes, Tracing of Curves (Cartenary, Cycloid, Folium of Descartes, Astroid, Limacon, Cissoid and Loops)

Unit-II Rectification, Quadrature, Volume and Surface area of Solids of revolutions.

Books Recommended:

- Text book of Calculus (Part-II)- by Shantinayakan, - S Chand & Co. Chapter 8 (Art 24, 25, 26)
- Text book of Calculus (Part-III)- by Shantinayakan - S Chand & Co. Chapters: 1 (1, 2), 3, 4 (10-12 omitting Simpson's Rule), 5 (13), 6 (15)

Reference Books

- Text Book of Differential Calculus: Gorakh Prasad, Pothisala Pvt. Ltd., Allahabad
- Text Book of Integral Calculus: Gorakh Prasad, Pothisala Pvt. Ltd., Allahabad
- A Treatise of Differential Calculus: by J. Edward.
- Differential Calculus: by Das & Mukherjee, U.N. Dhar & Sons. Pvt. Ltd., Calcutta
- Integral Calculus: by Das & Mukherjee, U.N. Dhar & Sons Pvt. Ltd., Calcutta
- Advanced Calculus: by David Widder, PHI.

B. Ordinary differential equations **32 Marks**

Unit-III Ordinary differential equations of 1st order and 1st degree (Variable Separable, Linear, homogenous, exact), Equations of 1st order and higher degree.

Unit-IV Second order linear equation with constant coefficients; homogeneous forms
 Second order equation with Variable coefficients, Variation of Parameters, Laplace Transformation and its application to solutions of differential equations.

Books Recommended:

- A Course of Ordinary and Partial differential equations by Dr. J. Sinha Roy and Dr. S. Padhy - Kalyani Publishers. Chapters: 2 (2.1 to 2.7), 3, 4 (4.1 to 4.7), 5, 9 (9.1, 9.2, 9.4, 9.5, 9.10, 9.11, 9.13)

Reference Books:

- Introductory Course in Differential Equation: by D.A. Murry (Longman)
- Differential Equation and their Application: by Martin Braun, Springer International.

C. Analytical Solid Geometry

16 Marks

Unit-V

Sphere: Plane section of a sphere, Intersection of two Spheres, sphere with a given diameter, Equation of circle, Sphere through a given circle. Intersection of a sphere with a line. Equation of Tangent plane. Angle of intersection of two spheres and condition of orthogonality of two spheres.

Cones and Cylinders:

Definition, Equation of a cone with a conic as guiding Curve. Enveloping Cone of a sphere, Condition that the general equation of second degree should represent a cone. Intersection of a line with a cone. The tangent line and tangent planes at a point. Condition of tangency. The Right circular cone, its definition and equation. Definition and Equation of Cylinder Enveloping by cylinders, Definition and Equation of right circular cylinder.

Conicoid: General equation of Conicoid, shapes of some surfaces, central conicoids. Intersection of a line with a conicoid. Tangent line and tangent plane at a point, condition of tangency. The Director sphere.

Books Recommended

- Analytical Solid Geometry:- by Shanti Narayan and P.K. Mittal. (S. Chand & Co.)
Chapters: 6(6.3, 6.3.1, 6.3.2, 6.3.3, 6.4, 6.4.1, 6.5, 6.6, 6.6.1, 6.7, 6.7.1) 7(7.1, 7.1.1, 7.1.2, 7.2, 7.4, 7.4.1, 7.4.2, 7.6, 7.6.1, 7.7, 7.7.1, 7.8, 7.8.1, 7.8.2) 8(8.1, 8.2, 8.3.1, 8.3.2, 8.3.3)

Reference Books:

- An introduction to the theory of quadratic surface by R.N.Das, Kalyani Publishers, New Delhi.
- Textbook of Analytical Geometry of 3 dimensions by P.K.Jain and Khalil Ahmed, Willy Eastern Ltd., New Delhi.

D. Internal Assessment

20 Marks

Problems relating to all the five units above.

SEMESTER-II

H-II	Term End-80 Internal -20
A. Linear Algebra	48 Marks
Unit-I	Vector space, subspace, span, Linear dependence and independence, dimensions and basis.
Unit-II	Linear transformations, range, kernel, rank, nullity, inverse of a linear map, Rank - nullity theorem, matrices and linear maps, rank and nullity of a matrix, transpose of a matrix, types of matrices.
Unit-III	Elementary row operations, system of linear equations, matrix inversion using row operations, minor and rank of matrices, Eigen values, Eigenvectors, Quadratic forms.
Book Recommended:	
1.	An introduction to linear Algebra by V. Krishnamurthy, V.P. Mainra, J.L. Arora (EWP), New Delhi. Chapter: 3, 4 (4.1 to 4.7), 5 (except 5.3), 6 (6.1, 6.2, 6.5, 6.6, 6.8), 7 (7.4 only)
Reference Books:	
i.	Basic structure in Algebra, by J.N. Pattnaik, Kalyani Publisher, Delhi
ii.	Higher Algebra, by A. Kurush, Mir Publication
iii.	Linear Algebra, by S.K. Huffman and R. Kunze, East-West Publisher
iv.	Finite Dimensional Vector Spaces, by Halmos
B. Modern Algebra	32 Marks
Unit-IV	The integer, Groups and subgroups, normal subgroups, quotient groups, group homomorphism.
Unit-V	i. Rings, Special types of rings, ideals and quotient rings, right homomorphism. ii. Preliminaries, property of equations, Descartes's Rules of Science, Relation between roots and co-efficients, symmetric function of roots, Algebraic solution of cubics, nature of roots of a cubic, solution of cubic by Cardan's method, solution of biquadratic.
Books Recommended:	
1.	Topics in Algebra: by I.N. Herstein, (Vikas Publishing) Chapters: 1 (1, 3); 2 (2.1 - 2.3); 3 (3.1 - 3.5)
2.	Theory of Algebra: by Chandrika Prasad (Pothisala Publishing) Chapters: 11 (11.1 - 11.4); 12 (12.1 - 12.3, 12.6)
Reference Books:	
i.	Higher Algebra: by A. Kurosh, Mir Publishers
ii.	A first course in Abstract Algebra: by J.B. Fraleigh, Addison Wesley Publ. Comp.

C. Internal Assessment	20 Marks
Problems relating to all the five units above	

SEMESTER-III

H-III	Term End-80 Internal -20
A. Analysis-I	48 Marks
Unit-I	Algebra of real numbers, Order completeness (Continuum); Density, decimal representation of real numbers, Cardinality, Countability and uncountability (restricted), Convergence of sequences, Limit theorems, Weierstrass Completeness principle, Cantor's Completeness principle, subsequences and Bolzano-Weierstrass Theorem.
Unit-II	Cauchy's Completeness Principle, Convergence of Series and series of Positive terms, Analytic Properties of R and C.
Unit-III	Limits and Continuity of functions, Discontinuity, properties of continuous functions, Infinite limits and limit at infinity, Uniform Continuity, Differentiability of functions, Mean-Value theorems, Indeterminate forms, Higher order derivatives and Taylor's theorem.
Books Recommended:	
1.	Fundamentals of Mathematical Analysis - by G. Das and S. Pattnaik (TMH) Chapter: 2(2.2. to 2.4; 2.5 to 2.7), 3(3.2, 3.3 (except proofs of Thm.2 and Thm.3), 3.4), 4 (4.1 to 4.7, 4.10, 4.11); 5 (5.1 to 5.5); 6 (6.1 to 6.7, 6.9); 7 (7.1 to 7.6).
Reference Books:	
i.	Mathematical Analysis: by S.C. Mallik, Willy Eastern, Pvt. Ltd.
ii.	A course of Mathematical Analysis: by Shanti Narayan, P.K. Mittal, S. Chand and Com.
B. Advanced Calculus:	32 Marks
Unit-IV	Limits and continuity of a function of several variables, Partial derivatives, Homogeneous functions, change of variables, Mean-Value Theorem, Maclaurin's Theorem.
Unit-V	Maxima and Minima of a function of two and three variables, (NASC without proof), Lagrange's Multiplier, Multiple integral. Vector differentiation, Grad, div, curl, line integral, surface and volume integrals; Statements of Gauss, Stokes's and Green's theorems (without proof).
Books Recommended:	
1.	Mathematical Analysis - by S.C. Mallick, S. Arora and others. (New-Age International) Chapter: 15 (1 to 10), 17, 18.

2. Topics in Calculus - R.K. Panda and P.K. Satapathy.

Reference Books:

- i. Advanced Engineering Mathematics: by Erwin Kreyszig, Wiley Eastern Ltd.

C. Internal Assessment 20 Marks

Problems from topics Covered under Units I to V above.

SEMESTER-IV

H-IV **Term End-80**
Internal -20

A. Numerical Analysis 48 Marks

Unit-I Number system and Errors, Binary numbers, Octal numbers, hexa-decimal numbers, Floating point Arithmetic, K-digit Arithmetic, Errors, Sources of Errors. Numerical Solution of non-linear equations, method of bisection, Regula Falsi method, Secant method, Newton - Raphson method, Fixed point iteration method, Aitken's 2-process.

Unit-II Polynomial Interpolation, Existence and uniqueness of interpolating polynomials, Lagrange's Interpolating polynomial, Error in Interpolation, Newton's Divided Difference Interpolating Polynomial, Forward and Backward Difference operators, Newton's Forward Difference Interpolation Formula, Newton's Backward Difference Interpolation Formula. Approximation of Functions, Discrete least square approximation.

Unit-III Numerical Differentiation, Simple Numerical methods, Interpolatory Formulas, Numerical Integration, Simple Quadrature Rules, Newton's-Cotes' Rule, Gauss Quadrature Rule, Gauss - Legendre Rule, Numerical Solution of Differential Equation, Picard's method, Euler's method, modified Euler's method, Runge-Kutta methods.

Remark: Scientific calculator may be allowed for the numerical analysis.

Books Recommended:

1. A Course on Numerical Analysis by B.P. Acharya and R.N. Das (Kalyani)
Chapter: 1; 2(2.1 to 2.4, 2.6, 2.8, 2.9); 3(3.1 to 3.4, 3.6 to 3.8, 3.10); 4(4.1, 4.2); 5(5.1, 5.2, 5.3); 6(6.1, 6.2, 6.3, 6.10, 6.11); 7(7.1, 7.2, 7.3, 7.4, 7.7).

Reference Books:

- i. Introductory methods of numerical analysis: by G.S.S. Sastry, PHI, ND
ii. Finite Differences and Numerical Analysis: by H.L. Saxena, S. Chand and Comp.
iii. Introduction to Numerical Analysis: by F.B. Hildebrand Magraw Hill, NY
iv. Numerical methods for Scientists and Engineering: by R.G. Stanton, PHI

B. Linear Programming 32 Marks

Unit-IV Linear programming problem: formulation of LP problems, graphical solutions of two variables problems, general formulation of LPP, slack and surplus variables, standard form of LPP, matrix form of LPP, some important definitions, applications of LP.

Unit-V Simplex Method: some more definitions and notations, computational procedure, artificial variable techniques.

Book Recommended:

1. Operations research by S.D. Sharma, Kedar Nath Ram Nath and Co., Meerut, Thirteenth Edition (improved and enlarged edition)
Chapter: 3 (3.1-3.8, 3.11), 5 (5.1-5.5)

Reference Books:

- i. Operations Research: by P.K. Gupta, Kanti Swarup, Man Mohan, Sultan Chand and Sons, Dargaganj, New Delhi-110002.
ii. Operations Research by B.S. Goel and S.K. Mittal, Pragati Prakashani, Meerut.
iii. Linear programming problem, by S.I. Gauss.
iv. Linear programming by T.N. Mallik, U.N. Dhar and sons Pvt. Ltd, Calcutta.
v. Operations Research by Prem Kumar Gupta, S. Mica, S. Chand and Com.

SEMESTER-V

H-V **Term End-80**
Internal -20
48 Marks

A. Partial Differential Equations

Unit-I Ordinary Differential Equations in more than two Variables, Linear Partial Differential Equations.

Unit-II Non-Linear Partial Differential Equations of the First Order, Linear Partial Differential Equations with Constant Co-efficients Equations Reducible to Linear forms.

Unit-III Partial Differential Equations with constant co-efficients, Partial Differential Equations with variable co-efficients, some standard forms of variable co-efficients, Non-Linear Equations of the Second Order.

Books Recommended:

1. A course on Ordinary and Partial Differential Equations (with applications) by J. Sinharoy, S. Padhy, Kalyani Publishers.
Articles: 11.1 to 11.4, 12.1 to 12.6, 13.1 to 13.5, 13.7.

Reference Books:

- i. Ordinary and partial diff. Equations: by M.D. Raisinghnia, S. Chand and Com. Ltd., New Delhi

B. Probability**32 Marks**

Unit-IV Axioms of Probability, Conditional Probability and Independence, Random Variables.

Unit-V Continuous Random Variables, Jointly Distributed Random Variables, Properties of Expectation.

Book Recommended:

1. A First Course in Probability, by Sheldon Ross, Pearson Education
Chapter-Arts: 2.1 to 2.5, 3.1 to 3.4, 4.1 to 4.7, 4.9, 5.1 to 5.4, 5.7, 6.1 to 6.3, 7.1 to 7.3, 7.6.

Reference Books:

1. Probability, Random Variables and Random Process: by P. Kandasamy, K. Thilagavathi, K. Gunavathi, S. Chand and Suar, New Delhi.
2. Elementary Probability Theory with Stochastic Processes: by K.L. Chury, Spriyer Int. Std. Edition.

C. Internal Assessment**20 Marks**

Problems related to Units-I to IV above.

H-VI**Term End-80****Internal -20****A. Analysis-II****48 Marks**

Unit-I Limit Superior, Limit inferior, Absolute Convergence and Conditional Convergence of Series; Power series, Multiplication of Series; Compactness.

Unit-II Riemann Integration, Properties of Riemann Integrals, Fundamental Theorem of integral Calculus, Improper integral.

Unit-III Pointwise convergence and Uniform Convergence of Series, Uniform convergence and continuity; Term-by-Term integration and differentiation of Series; Power series and Taylor series.

Book Recommended:

1. Fundamentals of Mathematical Analysis by G. Das and S. Pattnaik (TMH)
Chapters: 4 (4.8, 4.12 to 4.15); 5 (5.6); 8 (8.1 to 8.6); 9 (9.1 to 9.7).

B. Complex Analysis**32 Marks**

Unit-IV Complex number, complex plane, complex function, limits and derivatives, cauchy reimann equation, laplace equation, harmonic function, harmonic conjugate, relational function, exponential function, logarithmic function, analytic function, examples of analytic function.

Unit-V Complex integration: Cauchy theorem, cauchy integral formula (without proof) independence of path, cauchy inequality, Liou-Ville's theorem, fundamental theorem of algebra, power series, radius of convergence of power series.

Book recommended:

1. Advanced Engineering Mathematics : by Erwin Kreyszig, Wiley Eastern Pvt. Ltd.
Chapter: 12 (12.1-12.8), 13 (13.1-13.4), 14 (14.1-14.3)

Reference Books:

1. Complex Analysis by S.Arumugam, A.T.Isac and A.Somasundaram (SCITECH)

C. Internal Assessment**20 Marks**

Problems related to Units-I to IV above.

SEMESTER-VI**H-VII****Term End-80****Internal -20****Any one group**

(Group-I or Group-II or Group-III from Electives in the Appendix)

H-VIII (Without practical)**Term End-80****Internal -20****A. DISCRETE MATHEMATICS****48 Marks**

Unit-I Logic, Proportional equivalence, predicates and quantifiers, Nested quantifiers, Methods of Proof, Relations and their properties, n-ary relations and their applications, Boolean functions and their representation.

Unit-II The basic counting, The Pigeon-hole principle, Generalised permutations and Combinations. Recurrence relations and their solutions, Inclusion-Exclusion and applications.

Unit-III Graphs: Introduction, Graph terminology, Representing Graphs and graph isomorphism, Connectivity, Euler and Hamiltonian Path.

Books Recommended:

- Discrete Mathematics and its Applications by Kenneth H. Rosen (fifth edition, TMH)
Chapter: 1 (1.1 to 1.5); 4(4.1, 4.2, 4.5), 6(6.1, 6.2, 6.5, 6.6), 7(7.1, 7.2), 8, 10 (10.1, 10.2).

B. Programming in C (without practical)**32 Marks**

Unit-IV Programming in C, Overview of C, Constant, Variable and Data types, Operators and Expressions, Managing input and output operations, Decision making and Branching, Decision making and looping.

Unit-V Arrays, Character Arrays and Strings, User-Defined Functions, Structures and Unions, Pointers.

Books Recommended:

Programming in ANSI C by E. Balagurusami, TMH

C. Internal Assessment 20 Marks

Problems from each of Unit-I to V above.

OR

H-VIII (With practical)**Programming in C (with practical) Term End-80
Internal -20**

1. Writing programmes in C (Two questions from the contents covered in Unit-IV and V above) **20 Marks**
2. Writing a programme in C and implementing in Computer [One question among the following programmes] **30 Marks**
 - a) Numerical solution of a Non-linear Equation by Newton - Raphson Method
 - b) Numerical Integration by composite Simpson's Rule.
 - c) Numerical solution of an initial value problem using second order Runge-Kutta method.
 - d) Solution of Systems of Linear Equation by Gauss Elimination Method.
 - e) Finding product of matrices, searching of primes
 - f) Fitting of curves using least square method
 - g) Fitting curves using Lagrange and Newton Interpolation method
 - h) Arranging a given set of number and in ascending or descending order
3. Record **10 Marks**
4. Viva **20 Marks**

Book Recommended:

Programming in ANSI C: by E. Balagurusami, TMH.

C. Internal Assessment 20 Marks

Problems from each of Unit-IV and Unit-V above.

APPENDIX**ELECTIVES****GROUP-I Term End-80
Internal -20****A. FINANCIAL MATHEMATICS 48 Marks**

- Unit-I** Introduction: A simple market mode, Risk free Assets (time value of money, money market)
Risky Assets (Dynamics of stock price, Binomial tree model).
- Unit-II** Discrete Time market models; Portfolio management (Risk, Two and more securities, capital Asset pricing model).

- Unit-III** Forward and Future Contracts, Options (General Properties), Option Pricing, Financial Engineering (Hedging option Position).

Books Recommended:

Mathematics for Finance, An introduction to Financial Engineering - by Marek Capiski & Tomasz Zastawnian. (Springer 2004 edition)
Chapters: 1, 2, 3 (excluding 3.3), 4 (excluding 4.2), 5, 6, 7, 8, 9 (only 9.1)

B. NUMBER THEORY 32 Marks

- Unit-IV** Divisibility theorem in integers, Primes and their distributions, Theory of Congruences.

- Unit-V** Fermat's Theorem, Number theoretic Functions, Euler's generalisation of Fermat's theorem, Primitive Roots and Indices; Quadratic Reciprocity Law.

Books Recommended:

Elementary Number Theory by - David M Bunton International Edition.
Chapters: 2.1 to 2.4, 3.1 to 3.3, 4.1 to 4.4, 5.1 to 5.4, 6.1 to 6.3, 7.1 to 7.3, 8.1 to 8.2, 9.1 to 9.3.

C. Internal Assessment 20 Marks

Problems on topics covered in Unit-I to Unit-V above.

OR

**GROUP-II Term End-80
Internal -20****A. MATHEMATICAL MODELLING 48 Marks**

- Unit-I** Simple Situations Requiring Mathematical Modeling, The Technique of Mathematical Modelling, Mathematical Modelling Through Differential Equations, Linear Growth and Decay Models, Non-Linear Growth and Decay Models, Compartment Models, Mathematical Modelling of Geometrical Problems Through Ordinary Differential Equations of First Order.

- Unit-II** Mathematical Modelling in Population Dynamics, Mathematical Modelling of Epidemics Through System of Ordinary Differential Equations of First Order, Compartment Models Through Systems of Ordinary Differential Equations, Mathematical Modelling in Economics Through Systems of Ordinary Differential Equations of First Order, Mathematical Models in Medicine, Arms Race, Battles and Internal Trade in Terms of Systems of Ordinary Differential Equations, Mathematical Modelling of Planetary Motions, Mathematical Modelling of Circular Motion and Motion of Satellites, Mathematical Modelling Through Linear Differential Equations of Second Order.

- Unit-III** Situations Giving Rise to Partial Differential Equations Models, Mass-Balance Equations: First Method of Getting PDE Models, Momentum-Balance

Equations: The Second Method of Obtaining Partial Differential Equations Models, Variational Principles: Third method of Obtaining Partial Differential Equation Models, Probability Generating Function, Fourth Method of Obtaining Partial Differential Equation Models, Model for Traffic Flow on a Highway. Situations that can be Modelled Through Graphs, Mathematical Models in Terms of Directed Graphs, Optimisation Principles and Techniques, Mathematical Modelling Through Calculus of Variations.

Book Recommended:

Mathematical Modelling by J.N. Kapur
Chapters: 1 (1.1 and 1.2), 2(2.1 to 2.4, 2.6), 3(3.1 to 3.5), 4(4.1 to 4.3), 6(6.1 to 6.6.), 7(7.1 to 7.2), 9 (9.1 and 9.2).

B. MECHANICS 32 Marks

Unit-IV Method of plane statics, application in plane statics.

Unit-V Plane Kinematics, methods of plane dynamics, application in plane dynamics. Motion of a particle and motion of rigid body

Book Recommended:

Mechanics - by J.L. Synge and Griffith (Mc. Graw Hill)
Chapters: 2; 3 (excluding 3.3, Cables with smooth and rough curves & 3.5); 4;5 (excluding 5.3); 6(6.1 and 6.2); 7(7.1, 7.2, 7.3, 7.5).

C. Internal Assessment 20 Marks

Problems on topics covered in Units I to V above.

OR

GROUP-III Term End-80

Internal -20

A. DIFFERENTIAL GEOMETRY 48 Marks

Unit-I Theory of space curve : Equations, to a curve, arc length of a curve, tangential vector, osculating plane, normal plane and rectifying plane, curvature and frenet formulae, formulae for curvature and torsion and frenet formulae for curvature and torsion, some theorems on curvature and torsion, helices.

Unit-II Osculating circle, osculating sphere, spherical indicatrices, involute and evolute, Bertrand curves, coordinates in terms of arc-length, intrinsic equation.

Unit-III Theory of surfaces : Introduction, normal line and tangent plane, surface of revolution, characteristics, envelope and edge of regression. Developable surfaces, fundamental differential form, angle between two directions. Family of curves, normal sections, principal direction, asymptotic direction, conjugate directions and geodesic.

Books Recommended:

Fundamentals of differential geometry by B.P. Acharya and R.N. Das, Kalyani
Publisher, New Delhi
Chapter-I (1.0-1.17)
Chapter-2 (2.0-2.12)

B. OPERATIONS RESEARCH 32 Marks

Unit-IV What is Operations Research? The nature and meaning of 'OR', management applications, modelling, main characteristics, main phases of OR study, scope, role of OR, brief outlines of OR-models, role of computers in OR. Assignment problems: mathematical formulation, fundamental theorems, Hungarian method, More illustrative examples.

Unit-V Transportation problem: mathematical formulation, matrix form, special structure, loops, initial basic feasible solution, u, v method, Algorithm, computational process, Degeneracy, unbalanced transportation problem.

Book Recommended:

Operations Research by S.D. Sharma, Kedar Nath Ram Nath and Co., Meerut,
Thirteenth Edition (improved and enlarged edition)
Chapter: 1 (1.1-1.13 and 1.15)
Chapter: 11 (11.1-11.5)
Chapter: 12 (12.1-12.12)

Reference Books:

1. Operations Research by P.K. Gupta, Kantiswarup, Man Mohan, Sultan Chand and Sons, Daryaganj, New Delhi-110002.
2. Linear programming problem by S.I. Gauss.
3. Operations Research by B.S. Goel and S.K. Mittal, Pragati Prakashani, Meerut.
4. Linear programming by T.N. Mallik, U.N. Dhar and Sons Pvt. Ltd., Calcutta.

C. Internal Assessment 20 Marks

Problems on topics covered in Units I to V above.

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ORIYA (PASS) COURSE STRUCTURE

SEMESTER-I

P-I ଓଡ଼ିଆ ଗଦ୍ୟ ସାହିତ୍ୟ : 100 Marks 03 Hours

SEMESTER-II

P-II ଓଡ଼ିଆ କାବ୍ୟ କବିତା 100 Marks 03 Hours

SEMESTER-III

P-III ଓଡ଼ିଆ ଗଦ୍ୟ ସମ୍ପଦ 100 Marks 03 Hours

SEMESTER-IV

P-IV ନାଟକ ଓ ଏକାଙ୍କିକା 100 Marks 03 Hours

SEMESTER-I

P-I ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ **Term end -80
Internal-20**

Unit-I ଉପନ୍ୟାସର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ **15**
ଉଲ୍ଲିଖିତ ବିଷୟରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit-II ସବିଶେଷ ଅଧ୍ୟୟନ ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ଉପନ୍ୟାସ **15+5 = 20**
ହା-ଅନ - କାହ୍ନୁଚରଣ ମହାନ୍ତି
ଉଲ୍ଲିଖିତ ଉପନ୍ୟାସରୁ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରଲେଖା ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଏହି ଉପନ୍ୟାସରୁ ଦୁଇଟି ସରଳାର୍ଥ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।

Unit-III କ୍ଷୁଦ୍ରଗଳ୍ପର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ **15**
ଏ ସଂପର୍କରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖା ହେବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit-IV କ୍ଷୁଦ୍ରଗଳ୍ପ : ସବିଶେଷ ଅଧ୍ୟୟନ **15+5 = 20**
ପୁସ୍ତକ-ଗଳ୍ପ ବିଗତ-ସଂ-୭୫. ସୁରେନ୍ଦ୍ରନାଥ ଦାଶ, ଫ୍ରେଣ୍ଡ୍‌ସ୍ ପବ୍ଲିଶର୍ସ, ବିନୋଦ ବିହାରୀ, କଟକ-୨

ପାଠ୍ୟ

- (କ) ମାଗୁଣୀର ଶଗଡ଼ - ଗୋଦାବରୀଶ ମହାପାତ୍ର
(ଖ) ହାତ - ସଜ୍ଜିତାନନ୍ଦ ରାଉତରାୟ
(ଗ) ମହାନିର୍ବାଣ - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
(ଘ) ଘାସ - ରାଜକିଶୋର ପଟ୍ଟନାୟକ

ଉଲ୍ଲିଖିତ କ୍ଷୁଦ୍ରଗଳ୍ପଗୁଡ଼ିରୁ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ଦୁଇଟି ସରଳାର୍ଥ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।

Unit-V ପ୍ରାଚୀନ ଓଡ଼ିଆ ସାହିତ୍ୟ : ଚତୁର ବିନୋଦ-ବ୍ରଜନାଥ ବଡ଼ଜେନା

10

ପାଠ୍ୟ- ନୀତିବିନୋଦ

ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ପଡ଼ିଥିବା ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ ମୂଲ୍ୟ ୧୦ ନମ୍ବର ।

SEMESTER-II

P-I ଓଡ଼ିଆ କାବ୍ୟ-କବିତା **Term end -80
Internal-20**

Unit-I କାବ୍ୟର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ **15**
ଉଲ୍ଲିଖିତ ପ୍ରସଙ୍ଗରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖାଯିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit-II ସବିଶେଷ କାବ୍ୟ ଅଧ୍ୟୟନ **15+5 = 20**
ବିଦଗ୍ଧ ଚିନ୍ତାମଣି - ଅଭିମନ୍ୟୁ ସାମନ୍ତସିଂହାର (ଛାନ୍ଦ ୧, ୩୯)
ଉଲ୍ଲିଖିତ ପାଠ୍ୟ ଛାନ୍ଦ ଆଧାରରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।

Unit-III ଚତୁର୍ଦ୍ଦଶପଦୀ କବିତା ଓ ଶୋକଗୀତିକାର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ଓଡ଼ିଆ କବିତା **15**
ଧାରାରେ ତହିଁର ବିକାଶ
ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବାଭଳି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit-IV	ସବିଶେଷ କବିତା ଅଧ୍ୟୟନ	15+5 = 20
	ଚଳନ୍ତି ସମୟର କବିତା-ସଂ-୭୪. ମନୋରଞ୍ଜନ ମହାନ୍ତି, ପ୍ରେକ୍ଷ୍ୟ ପଲ୍ଲୀଶର୍ମା, ବିନୋଦ ବିହାରୀ, କଟକ-୨	
	ପାଠ୍ୟ-	
(କ)	ଧରାବତରଣ -	ମାୟାଧର ମାନସିଂହ
(ଖ)	ଅସମାପିକା -	ସଚ୍ଚିଦାନନ୍ଦ ରାଉତରାୟ
(ଗ)	ନିଜକୁ ସମୁଦ୍ର ମନେକରି -	ବ୍ରହ୍ମୋତ୍ତମା ମହାନ୍ତି
	ଉଲ୍ଲିଖିତ କବିତାଗୁଡ଼ିକ ସମ୍ବନ୍ଧରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।	
Unit-V	ଖଣ୍ଡ କାବ୍ୟ	10
	ଦରବାର -	ରାଧାନାଥ ରାୟ
	ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୦ ନମ୍ବର ।	

SEMESTER-III

P-II	ଓଡ଼ିଆ ଗଦ୍ୟ ସଂପଦ	Term end -80 Internal-20
Unit-I	ପ୍ରବନ୍ଧର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ	15
	ଉଲ୍ଲିଖିତ ପ୍ରସଙ୍ଗ ଆଧାରରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	
Unit-II	ସବିଶେଷ ପ୍ରବନ୍ଧ ଅଧ୍ୟୟନ	15+5 = 20
	ପ୍ରବନ୍ଧ ମଧୁକୋଷ-ସଂ-୭୪ ବାସୁଦେବ ସାହୁ-ସୁଧା ପ୍ରକାଶନ-ବାଖରାବାଦ, କଟକ-୨	
(କ)	ଶିକ୍ଷା ଓ ଶାସନ -	ଗୋପବନ୍ଧୁ ଦାସ
(ଖ)	ଗାଁ ମଜଲିସ -	ଡଃ ହରେକୃଷ୍ଣ ମହତାବ
(ଗ)	ମିଛ ଅତି ଆପଣାର -	ଚନ୍ଦ୍ରଶେଖର ରଥ
	ଉଲ୍ଲିଖିତ ପ୍ରବନ୍ଧଗୁଡ଼ିକ ଉପରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଦେବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।	

Unit-III	ଓଡ଼ିଆ ଭ୍ରମଣ-କାହାଣୀ ଓ ସରସ ରଚନା	20
	ବିଶେଷ ଅଧ୍ୟୟନ :	
(କ)	ପଶ୍ଚିମ ଆଫ୍ରିକାରେ ଓଡ଼ିଆ ଢେଙ୍କି - ଭୁବନେଶ୍ୱର ବେହେରା	
(ଖ)	ଉତ୍କଳ ଯୁଗେୟଗେ - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି	
	ପାଠ୍ୟ-	
	୧. ଅଶୋକ ବିଜୟ, ୨. ଶିଶୁପାଳଗଡ଼, ୩. କଳିଙ୍ଗର ପ୍ରତିଶୋଧ, ୪. ଶ୍ରୀଜଗନ୍ନାଥ, ୫. ସାହିତ୍ୟ ଓ ସାମ୍ରାଜ୍ୟ	
	ଉଲ୍ଲିଖିତ ପୁସ୍ତକ ଦୁଇଟି ସଂପର୍କରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବାଭଳି ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଦିଆଯିବ । ମୂଲ୍ୟ ୨୦ ନମ୍ବର ।	
Unit-IV	ସବିଶେଷ ଅଧ୍ୟୟନ	15
(କ)	ସାହିତ୍ୟ ଓ ସୌନ୍ଦର୍ଯ୍ୟ	
(ଖ)	ସାହିତ୍ୟ ଓ ଅଳଙ୍କାର	
(ଗ)	ସାହିତ୍ୟ ଓ ନୀତି ।	
	ଉଲ୍ଲିଖିତ ବିଷୟ ଉପରେ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	
Unit-V	ବ୍ୟାକରଣ : କାରକ ଓ ବିଭକ୍ତି	10

SEMESTER-IV

P-IV	ନାଟକ ଓ ଏକାଙ୍କିକା	Term end - 80 Internal-20
Unit-I	ନାଟକ ଓ ଏକାଙ୍କିକାର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ	15
	ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ରହିବ ।	
Unit-II	ସବିଶେଷ ନାଟକ ଅଧ୍ୟୟନ	15+5 = 20
	ଆଗାମୀ - ମନୋରଞ୍ଜନ ଦାସ	
	ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।	
Unit-III		20
	ଏକାଙ୍କିକା ସୁମନ-ସଂ-୭୪ ନୃସିଂହ ଷଡ଼ଙ୍ଗୀ, ଡକ୍ଟରୀକା, ବାଲୁବଜାର, କଟକ-୨	

ପାଠ୍ୟ :-

- (କ) ଦଳବେହେରା - କାଳୀଚରଣ ପଟ୍ଟନାୟକ
 (ଖ) ସ୍ମୃତି ବିଭାଗ - ପ୍ରାଣବନ୍ଧୁ କର ।
 ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ ।
 ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ ।
 ମୂଲ୍ୟ ୫ ନମ୍ବର ।
- Unit-IV ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ 15**
 ବିଶେଷ ଅଧ୍ୟୟନ
- (କ) ସାହିତ୍ୟ ଓ ଇତିହାସ
 (ଖ) ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ ରଚନାର ଇତିହାସ
 ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫
 ନମ୍ବର ।
- Unit-V ସାରଳା ଓ ସଙ୍କ ସାହିତ୍ୟ 10**
 ପାଠ୍ୟ
- (କ) ସାରଳା ଦାସ
 (ଖ) ବଳରାମ ଦାସ
 ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଦେବାକୁ ହେବ ।
 ମୂଲ୍ୟ ୧୦ ନମ୍ବର

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ORIYA-(HONS) COURSE STRUCTURE

SEMESTER-I

H - I ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ 100 Marks 03 Hours

SEMESTER-II

H - II ଓଡ଼ିଆ କାବ୍ୟ କବିତା 100 Marks 03 Hours

SEMESTER-III

H - III ଓଡ଼ିଆ ଗଦ୍ୟ ସମ୍ପଦ 100 Marks 03 Hours

SEMESTER-IV

H - IV ନାଟକ ଓ ଏକାଙ୍କିକା 100 Marks 03 Hours

SEMESTER-V

H-V ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ 100 Marks 03 Hours

H-VI ସାହିତ୍ୟ ଚର୍ଚ୍ଚା 100 Marks 03 Hours

SEMESTER-VI

H-VII ଓଡ଼ିଆ ଭାଷା ବ୍ୟାକରଣ 100 Marks 03 Hours

H-VIII ସାହିତ୍ୟ ଓ ସଂସ୍କୃତି 100 Marks 03 Hours

SEMESTER-I

H-I ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ **Term end -80
Internal- 20**

Unit-I ଉପନ୍ୟାସର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ **15**
 ଉଲ୍ଲିଖିତ ପ୍ରସଙ୍ଗର ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର
 ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit-II ସବିଶେଷ ଅଧ୍ୟୟନ ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ଉପନ୍ୟାସ **15+5 = 20**
 ହା-ଅନ - କାହ୍ନୁଚରଣ ମହାନ୍ତି
 ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫
 ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।

Unit-III ପ୍ରାଚୀନ ଓଡ଼ିଆ କଥା ସାହିତ୍ୟ 15
 ପୁସ୍ତକ - ଚନ୍ଦ୍ର ବିନୋଦ - ବ୍ରଜନାଥ ବଡ଼ଜେନା
 ପାଠ୍ୟ - ନୀତିବିନୋଦ
 ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit - IV କ୍ଷୁଦ୍ରଗଳ୍ପ : ସବିଶେଷ ଅଧ୍ୟୟନ 15+5 = 20
 ପୁସ୍ତକ- ଗଳ୍ପ ଦିଗନ୍ତ-ସଂ-୭୫. ସୁରେନ୍ଦ୍ରନାଥ ଦାଶ, ପ୍ରେକ୍ଷା ପଦ୍ମିଣୀ, ବିନୋଦ ବିହାରୀ, କଟକ-୨
 (କ) ମାଗୁଣୀର ଶରତ - ଗୋଦାବରୀ ମହାପାତ୍ର
 (ଖ) ହାତ - ସଚ୍ଚିଦାନନ୍ଦ ରାଉତରାୟ
 (ଗ) ମହାନିର୍ବାଣ - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
 (ଘ) ଘାସ - ରାଜକିଶୋର ପଟ୍ଟନାୟକ
 ଉଲ୍ଲିଖିତ କ୍ଷୁଦ୍ରଗଳ୍ପ ଗୁଡ଼ିକରୁ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।

Unit-V କ୍ଷୁଦ୍ରଗଳ୍ପର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାର ଭେଦ 10
 ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୦ ନମ୍ବର ।

ସହାୟକ ଗ୍ରନ୍ଥ :

- ୧) ଉପନ୍ୟାସ ସାହିତ୍ୟ ପରିଚୟ
 (ପ୍ରଥମ ଖଣ୍ଡ, ଦ୍ୱିତୀୟ ଖଣ୍ଡ) - ସଂ- ପଠାଣି ପଟ୍ଟନାୟକ
 ୨) ଫକୀର ମୋହନ ସମୀକ୍ଷା - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
 ୩) ବ୍ୟାସକବି ଫକୀରମୋହନ - ଡଃ ନଟବର ସାମନ୍ତରାୟ
 ୪) କ୍ଷୁଦ୍ରଗଳ୍ପ : ସ୍ରଷ୍ଟାମାନସ - ଡଃ ବୈଷ୍ଣବଚରଣ ସାମଲ
 ୫) ଓଡ଼ିଆ କ୍ଷୁଦ୍ରଗଳ୍ପର ଇତିହାସ - ଡଃ ବୈଷ୍ଣବଚରଣ ସାମଲ
 ୬) ଓଡ଼ିଆ ଗଳ୍ପ ଉପନ୍ୟାସର ନବ ଦିଗନ୍ତ - ଡଃ ଆଦିକନ୍ଦ ସାହୁ
 ୭) ଐତିହାସିକ ଓଡ଼ିଆ ଉପନ୍ୟାସ - ଡଃ ରେଖା ମହାନ୍ତି
 ୮) ଫକୀରମୋହନଙ୍କ ଉପନ୍ୟାସରେ ସମାଜ ଚିତ୍ର - ଡଃ ପ୍ରଫୁଲ୍ଲ କୁମାର ମହାନ୍ତି
 ୯) କଥା ସମ୍ପାଦ ଫକୀରମୋହନ - ଡଃ ଖଗେନ୍ଦ୍ରନାଥ ମଲ୍ଲିକ

- ୧୦) ଓଡ଼ିଆ ଉପନ୍ୟାସ ସାହିତ୍ୟ ସଂପର୍କରେ- ଡଃ ଲାବଣ୍ୟ ନାୟକ
 ୧୧) ସାହିତ୍ୟର ଡାକପତ୍ର - ଡଃ ସୁରେନ୍ଦ୍ର କୁମାର ମହାରଣା

SEMESTER-II

- H-II ଓଡ଼ିଆ କାବ୍ୟ କବିତା Term end -80 Internal - 20**
- Unit-I କାବ୍ୟର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ 15**
 ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।
- Unit-II ବିଦଗ୍ଧ ଚିନ୍ତାମଣି- ଅଭିମତ୍ୟ ସାମନ୍ତସିଂହାର ଛାନ୍ଦ-୧, ୩୯ 15+5 = 20**
 (ପାଠ୍ୟ ଛାନ୍ଦ-୧, ୩୪)
 ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।
- Unit-III ଚତୁର୍ଦ୍ଧାପଦୀ କବିତା ଓ ଶୋକଗୀତିକାର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ଓଡ଼ିଆ କବିତାଧାରାରେ ତହିଁର ବିକାଶ । 15**
 ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।
- Unit-IV ସବିଶେଷ କବିତା ଅଧ୍ୟୟନ 15+5 = 20**
 ଚଳନ୍ତି ସମୟର କବିତା- ସଂ-୭୫ ମନୋରଞ୍ଜନ ମହାନ୍ତି, ପ୍ରେକ୍ଷା ପଦ୍ମିଣୀ, ବିନୋଦ ବିହାରୀ କଟକ-୨
 କ) ଧରାବତରଣ - ମାୟାଧର ମାନସିଂହ
 ଖ) ହିରଣ୍ୟ କଶିପୁ - ଜ୍ଞାନୀନ୍ଦ୍ର ବର୍ମା
 ଗ) ଅସମାପିକା - ସଚ୍ଚିଦାନନ୍ଦ ରାଉତରାୟ
 ଘ) ନିଜକୁ ସମୁଦ୍ର ମନେକରି - ବ୍ରହ୍ମୋତ୍ପା ମହାନ୍ତି
 ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତର ଦେବାକୁ ଥିବା ପ୍ରଶ୍ନ ମଧ୍ୟରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥରୁ ଗୋଟିକର ଉତ୍ତର ଦିଆଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।
- Unit-V ଖଣ୍ଡକାବ୍ୟ- ଉତ୍କଳଲକ୍ଷ୍ମୀ-ଗଂଗାଧର ମେହେର 15+5 = 20**
 ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଦେବାକୁ ହେବ । ମୂଲ୍ୟ ୧୦ ନମ୍ବର ।

ସହାୟକ ଗ୍ରନ୍ଥ

- ୧) ଓଡ଼ିଆ କାବ୍ୟ-କୌଶଳ - ଡଃ ସୁଦର୍ଶନ ଆଚାର୍ଯ୍ୟ
 ୨) ରସିକ ଭକ୍ତ ଅଭିମନ୍ୟୁ - ଡଃ ବ୍ରହ୍ମାବନ ଚନ୍ଦ୍ର ଆଚାର୍ଯ୍ୟ
 ୩) କାବ୍ୟ ସମ୍ପାଦ - ଡଃ ଦାଶରଥ ଦାସ
 ୪) ଆଧୁନିକ କାବ୍ୟ ଜିଜ୍ଞାସା : ଚିତ୍ରକଳ୍ପ - ଡଃ ଦାଶରଥ ଦାସ
 ୫) ଆଧୁନିକ ଓଡ଼ିଆ କାବ୍ୟଧାରା (ନବଜାଗରଣ ଯୁଗ) - ଡଃ ନରେନ୍ଦ୍ରନାଥ ମିଶ୍ର
 ୬) ମୋ ଦୃଷ୍ଟିରେ ସାଂପ୍ରତିକ ସାହିତ୍ୟ - ସଂ-ନନ୍ଦ ପରୀକ୍ଷିତ
 ୭) ସବୁଜରୁ ସାଂପ୍ରତିକ - ଡଃ ନିତ୍ୟାନନ୍ଦ ଶତପଥୀ
 ୮) କବିତାର ମାନଚିତ୍ର - ଡଃ ଜାନକୀବଲ୍ଲଭ ମହାନ୍ତି (ଭରଦ୍ଵାଜ)
 ୯) ସାହିତ୍ୟର ସୂତାପତ୍ର - ଡଃ ବିଭୂତି ପଟ୍ଟନାୟକ

SEMESTER-III

H- III ଓଡ଼ିଆ ଗଦ୍ୟ ସମ୍ପଦ **Term end -80**
Internal- 20

Unit-I ପ୍ରବନ୍ଧର ସଂଜ୍ଞା, ସ୍ଵରୂପ ଓ ପ୍ରକାରଭେଦ **15**
ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନର ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit-II ସବିଶେଷ ପ୍ରବନ୍ଧ ଅଧ୍ୟୟନ **15+5=20**
ପ୍ରବନ୍ଧ ମଧୁକୋଷ-ସଂ- ଡଃ ବାସୁଦେବ ସାହୁ, ସୁଧା ପ୍ରକାଶନ, ବାଖରାବାଦ, କଟକ

ପାଠ୍ୟ-

- କ) ଶିକ୍ଷା ଓ ଶାସନ - ଗୋପବନ୍ଧୁ ଦାସ
 ଖ) ଗାଁ ମଜଲିସ୍ - ଡଃ ହରେକୃଷ୍ଣ ମହତାବ
 ଗ) ମିଛ ଅତି ଆପଣାର - ଚନ୍ଦ୍ରଶେଖର ରଥ

ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର । ଦୁଇଟି ସରଳାର୍ଥ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୫ ନମ୍ବର ।

Unit-III ଓଡ଼ିଆ ଭ୍ରମଣ କାହାଣୀ ଓ ରମ୍ୟ ରଚନା **20**
ବିଶେଷ ଅଧ୍ୟୟନ

- କ) ପଶିମ ଆଫ୍ରିକାରେ ଓଡ଼ିଆ ଢେଙ୍କି - ଭୁବନେଶ୍ଵର ବେହେରା
 ଖ) ଉତ୍କଳ ଯୁଗେୟଗେ - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
 ପାଠ୍ୟ : ୧. ଅଶୋକ ବିଜୟ, ୨. ଶିଶୁପାଳଗଡ଼, ୩. କଳିଙ୍ଗର ପ୍ରତିଶୋଧ, ୪. ଶ୍ରୀଜଗନ୍ନାଥ, ୫. ସାହିତ୍ୟ ଓ ସାମ୍ରାଜ୍ୟ
 ଉଲ୍ଲିଖିତ ଦୁଇଟି ବହିରୁ ଉତ୍ତର ଲେଖିବା ପାଇଁ ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୨୦ ନମ୍ବର ।

Unit-IV ସବିଶେଷ କବିତା ଅଧ୍ୟୟନ **15+5=20**

- ଚଳନ୍ତି ସମୟର କବିତା-ସଂ-ଡଃ ମନୋରଞ୍ଜନ ମହାନ୍ତି, ଫ୍ରେଣ୍ଡସ୍ ପବ୍ଲିଶର୍ସ, ବିନୋଦ ବିହାରୀ, କଟକ-୨
 କ) ସାହିତ୍ୟ ଓ ସୌନ୍ଦର୍ଯ୍ୟ
 ଖ) ସାହିତ୍ୟ ଓ ଅଳଙ୍କାର
 ଗ) ସାହିତ୍ୟ ଓ ନୀତି
 ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

Unit-V ପ୍ରାଚୀନ ଓଡ଼ିଆ ଗଦ୍ୟ **20**

ମାଦଳା ପାଞ୍ଜି (ପାଠ୍ୟ-ଅନଙ୍ଗ ଭୀମଦେବ ପ୍ରସଙ୍ଗ)
 ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୦ ନମ୍ବର

ସହାୟକ ଗ୍ରନ୍ଥ

- ୧) ଆଧୁନିକ ଓଡ଼ିଆ ଗଦ୍ୟ ସାହିତ୍ୟ - ଡଃ ଶ୍ରୀନିବାସ ମିଶ୍ର
 ୨) ଓଡ଼ିଆ ପ୍ରବନ୍ଧ ସାହିତ୍ୟର ଇତିହାସ - ଡଃ ଅସିତ କବି
 ୩) ପ୍ରାଚୀନ ଓଡ଼ିଆ ଗଦ୍ୟ ସାହିତ୍ୟର ରୂପରେଖ- ଡଃ କୁମୁଦ ରଞ୍ଜନ ପାଣିଗ୍ରାହୀ
 ୪) ସାହିତ୍ୟ କଥା - ଡଃ ଶ୍ରୀନିବାସ ମିଶ୍ର
 ୫) ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟ - ଡଃ ଜାନକୀବଲ୍ଲଭ ମହାନ୍ତି (ଭରଦ୍ଵାଜ)

SEMESTER-IV

H-IV	ଓଡ଼ିଆ ଗଦ୍ୟ ସମ୍ପଦ	Term end -80 Internal- 20
Unit-I	ନାଟକ, ଏକାଙ୍କିକାର ସଂଜ୍ଞା, ସ୍ୱରୂପ ପ୍ରକାରଭେଦ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	15
Unit-II	ସବିଶେଷ ନାଟକ ଅଧ୍ୟୟନ ଆଗାମୀ - ମନୋରଞ୍ଜନ ଦାସ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	15
Unit-III	ଅଥଚ ଚାଣକ୍ୟ - ରତ୍ନାକର ଚଇନି	15
Unit-IV	ଏକାଙ୍କିକା ସୁମନ-ସଂ-୭୫ ନୃସିଂହ ଷଡ଼ଙ୍ଗୀ ତକ୍ଷିଣିଳା, ବାଲୁବଜାର, କଟକ-୨ ପାଠ୍ୟ :- କ) ବନନାସିକା - ଗୋପାଳ ଛୋଟରାୟ ଖ) ସୁତି-ବିଭ୍ରାଟ - ପ୍ରାଣବନ୍ଧୁ କର ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	15
Unit-V	କ) ନାଟ୍ୟକାର ବୈଷ୍ଣବ ପାଣି ଖ) ନାଟ୍ୟକାର ପ୍ରଫୁଲ୍ଲ ରଥ ଗ) ନାଟ୍ୟକାର କାଳୀଚରଣ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୨୦ ନମ୍ବର ।	20
ସହାୟକ ଗ୍ରନ୍ଥ		
୧.	ନାଟକ ବିଚାର - ଅଧ୍ୟାପକ ଶ୍ରୀ ସର୍ବେଶ୍ୱର ଦାଶ	
୨.	ଓଡ଼ିଆ ନାଟ୍ୟ ସାହିତ୍ୟ - ଶ୍ରୀ ବରକିଶୋର ଦାସ	

୩.	ପ୍ରସଙ୍ଗ ନାଟକ ଓ ଏକାଙ୍କିକା	-	୭୫ କୃଷ୍ଣଚରଣ ବେହେରା
୪.	ନାଟ୍ୟଧାରା	-	୭୫ ହେମନ୍ତ କୁମାର ଦାସ
୫.	ଓଡ଼ିଆ ଏକାଙ୍କିକା; ଧରା ଓ ଧାରା	-	୭୫ ଗିରୀଶ ଚନ୍ଦ୍ର ମିଶ୍ର
୬.	ଓଡ଼ିଆ ନାଟକର ଉତ୍ତର ଓ ବିକାଶ	-	୭୫ ରତ୍ନାକର ଚଇନି
୭.	ସ୍ୱାଧୀନତା ପରବର୍ତ୍ତୀ ଓଡ଼ିଆ ନାଟକ	-	୭୫ ନାରାୟଣ ସାହୁ

SEMESTER-V

H-V	ଓଡ଼ିଆ ଗଦ୍ୟ ସମ୍ପଦ	Term end -80 Internal- 20
Unit-I	ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ ରଚନାର ଇତିହାସ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୨୦ ନମ୍ବର ।	20
Unit-II	ଓଡ଼ିଆ ପୁରାଣ ସାହିତ୍ୟ ପାଠ୍ୟ - ସାରଳା ଦାସଙ୍କ ମହାଭାରତ (କଥାବସ୍ତୁ, ଚରିତ୍ର, ସମାଜ ଓ ଧର୍ମମତ) ବଳରାମଙ୍କ ରାମାୟଣ (କଥାବସ୍ତୁ) ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	15
Unit-III	ଓଡ଼ିଆ କାବ୍ୟଧାରା ପାଠ୍ୟ - ଉପେନ୍ଦ୍ରଭଞ୍ଜ ଓ ଭକ୍ତଚରଣ ଦାସ ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	15
Unit-IV	ଓଡ଼ିଆ ଗୀତି ପରଂପରା ପାଠ୍ୟ - କବିସୂର୍ଯ୍ୟ ବଳଦେବ ରଥ (ଚମ୍ପୂ) ଗୋପାଳକୃଷ୍ଣ ପଟ୍ଟନାୟକ (ପଦାବଳୀ) ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	15
Unit-V	ଆଧୁନିକ ଓଡ଼ିଆ ସାହିତ୍ୟ ପାଠ୍ୟ - ଫକୀରମୋହନ ସେନାପତି, ରାଧାନାଥ ରାୟ, ଗୋପୀନାଥ ମହାନ୍ତି । ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	15

ସହାୟକ ଗ୍ରନ୍ଥ :

୧. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ – ପଞ୍ଚିତ ସୂର୍ଯ୍ୟନାରାୟଣ ଦାଶ
(୧ମ, ୨ୟ, ୩ୟ ଓ ୪ର୍ଥ ଭାଗ)
୨. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ – ପଞ୍ଚିତ ବିନାୟକ ମିଶ୍ର
୩. ଓଡ଼ିଆ ସାହିତ୍ୟର କ୍ରମପରିଣାମ – ପଞ୍ଚିତ ନୀଳକଣ୍ଠ ଦାସ
୪. ଓଡ଼ିଆ ସାହିତ୍ୟର କ୍ରମ ବିକାଶ – ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
୫. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ (୧୮୦୩-୧୯୨୦) – ଡଃ ନଟବର ସାମନ୍ତରାୟ
୬. ଓଡ଼ିଆ ସାହିତ୍ୟର ଆଦିପର୍ବ – ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
୭. ଓଡ଼ିଆ ସାହିତ୍ୟର ମଧ୍ୟପର୍ବ ଓ ଉତ୍ତର ମଧ୍ୟପର୍ବ – ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
୮. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ (୧ମ, ୨ୟ, ୩ୟ, ୪ର୍ଥ) – ଡଃ ବଂଶୀଧର ମହାନ୍ତି
୯. ଓଡ଼ିଆ ସାହିତ୍ୟର ସଂକ୍ଷିପ୍ତ ପରିଚୟ – ଡଃ ବୃନ୍ଦାବନଚନ୍ଦ୍ର ଆଚାର୍ଯ୍ୟ
୧୦. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ – ପଠାଣି ପଟ୍ଟନାୟକ
୧୧. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ – ଡଃ ଜାନକୀ ବଲ୍ଲଭ ମହାନ୍ତି (ଭରଦ୍ୱାଜ)
୧୨. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ – ଡଃ ସୁରେନ୍ଦ୍ର ମହାରଣା
୧୩. ଓଡ଼ିଆ କାବ୍ୟ କୌଶଳ – ଡଃ ସୁବର୍ଣ୍ଣନ ଆଚାର୍ଯ୍ୟ
୧୪. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ – ଡଃ ମାୟାଧର ମାନସିଂହ
୧୫. ଓଡ଼ିଆ ସାହିତ୍ୟର ଇତିହାସ – ଡଃ ବାଉରୀବନ୍ଧୁ କର
୧୬. ଓଡ଼ିଆ ସାହିତ୍ୟର ସାଂସ୍କୃତିକ ଇତିହାସ – ଚିତ୍ତରଞ୍ଜନ ଦାସ
୧୭. ପୁରାଣ ଅନୁଶୀଳନ – ଡଃ ନଟବର ଶତପଥୀ

H-VI ସାହିତ୍ୟ ତତ୍ତ୍ୱ

Term end -80
Internal- 20

- Unit-I** ପ୍ରାଚ୍ୟ କାବ୍ୟତତ୍ତ୍ୱ : ରସ, ଧ୍ୱନି **15**
ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନର ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

- Unit-II** ପାଶ୍ଚାତ୍ୟ କାବ୍ୟ ତତ୍ତ୍ୱ : ରୋମାଣ୍ଟିସିଜିମ, କ୍ଲାସିସିଜିମ **15**
ଉଲ୍ଲିଖିତ ବିଷୟ ଦୁଇଟି ସଂପର୍କରେ ଦୀର୍ଘ ଉତ୍ତର ଲେଖିବା ପାଇଁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

- Unit-III** ସମାଲୋଚନା ପଦ୍ଧତି **15**
କ. ଐତିହାସିକ ସାହିତ୍ୟ ସମାଲୋଚନା
ଖ. ତୁଳନାତ୍ମକ ସାହିତ୍ୟ ସମାଲୋଚନା
ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

- Unit-IV** ଛନ୍ଦ-ମୁକ୍ତଛନ୍ଦ, ଅମିତ୍ରାକ୍ଷର ଛନ୍ଦ **15**
ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।

- Unit-V** **4 X 5 = 20**
ଉପରୋକ୍ତ ୪ଟି ଯୁନିଟ ଆଧାରରେ ପ୍ରତ୍ୟେକ ଯୁନିଟରୁ ଦୁଇଟି କରି ଏହିଭଳି ଆଠଟି ସଂକ୍ଷିପ୍ତ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନ ପଢ଼ିବ । ପାଞ୍ଚଟିର ଉତ୍ତର ଲେଖାଯିବ । ପ୍ରତ୍ୟେକ ଉତ୍ତରର ମୂଲ୍ୟ ୫ ନମ୍ବର ।

ସହାୟକ ଗ୍ରନ୍ଥ

୧. କାବ୍ୟ ଓ କଳାକାର – ଚିନ୍ତାମଣି ବେହେରା
୨. ସାହିତ୍ୟ ସନ୍ଧାନ – ଦାଶରଥ ଦାସ
୩. ସାହିତ୍ୟ ତତ୍ତ୍ୱ : ପ୍ରାଚ୍ୟ-ପାଶ୍ଚାତ୍ୟ – ଡଃ ଜ୍ୟୋତ୍ସ୍ନାମୟୀ ପ୍ରାଧାନ
୪. ଓଡ଼ିଆ ଛନ୍ଦର କ୍ରମବିକାଶ – ଡଃ ଜାନକୀବଲ୍ଲଭ ମହାନ୍ତି (ଭରଦ୍ୱାଜ)
୫. ଓଡ଼ିଆ ଛାନ୍ଦ – ଗୌରୀକୁମାର ବ୍ରହ୍ମା
୬. ସମାଲୋଚନାର ଦିଗଦିଗନ୍ତ – ଡଃ ଖରେଶ୍ୱର ମହାପାତ୍ର
୭. କାବ୍ୟ-ବିତାର – ଡଃ ଧନେଶ୍ୱର ମହାପାତ୍ର
୮. ସାହିତ୍ୟ ତତ୍ତ୍ୱ – ଅଧ୍ୟାପକ ସର୍ବେଶ୍ୱର ଦାଶ
୯. ଅଳଙ୍କାର ପ୍ରସଙ୍ଗ – ଗୋବିନ୍ଦ ଚନ୍ଦ୍ର ଉଦ୍‌ଗାତା
୧୦. ସାହିତ୍ୟର ତାଳପତ୍ର – ଡଃ ସୁରେନ୍ଦ୍ର କୁମାର ମହାରଣା

SEMESTER-VI

H-VII	ଓଡ଼ିଆ ଭାଷା ଓ ବ୍ୟାକରଣ	Term end -80 Internal- 20
Unit-I	ଓଡ଼ିଆ ଭାଷାର ଉତ୍ପତ୍ତି ଓ କ୍ରମବିକାଶ-ଷୋଡଶ ଶତାବ୍ଦୀ ପର୍ଯ୍ୟନ୍ତ	15
	ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	
Unit-II	ଓଡ଼ିଆ ଶବ୍ଦ ଭଣ୍ଡାର (ତତ୍ତ୍ୱ, ତତ୍ତ୍ୱ, ଦେଶଜ)	15
	ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	
Unit-III	ଓଡ଼ିଆ ଧ୍ୱନିତତ୍ତ୍ୱ (ସ୍ୱର ଓ ବ୍ୟଞ୍ଜନ ଧ୍ୱନି ଆଧାରିତ)	15
	ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖିବାକୁ ହେବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	
Unit-IV	ଓଡ଼ିଆ ଭାଷା ଉପରେ ଅନ୍ୟାନ୍ୟ ଭାଷାର ପ୍ରଭାବ	15
	(ଯାବନିକ ଦ୍ରାବିଡ଼ ଓ ଇଂରାଜୀ ଭାଷା)	
	ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୧୫ ନମ୍ବର ।	
Unit-V	ବ୍ୟାକରଣ : କୃତନ୍ତ, ତତ୍ତ୍ୱ	2 X 10 = 20
	ପଦରଚି ସଂକ୍ଷିପ୍ତ ଉତ୍ତର ଦେବାଭଳି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଦଶଟିର ଉତ୍ତର ଲେଖାଯିବ । ପ୍ରତ୍ୟେକ ଉତ୍ତରର ମୂଲ୍ୟ ୨ ନମ୍ବର ରହିବ ।	

ସହାୟକ ଗ୍ରନ୍ଥ

୧. ଓଡ଼ିଆ ଭାଷାର ଇତିହାସ – ପଣ୍ଡିତ ବିନାୟକ ମିଶ୍ର
୨. ଓଡ଼ିଆ ଭାଷାର ଉତ୍ପତ୍ତି ଓ କ୍ରମବିକାଶ – ଡଃ ବଂଶୀଧର ମହାନ୍ତି
୩. ଓଡ଼ିଆ ଭାଷା ଚର୍ଚ୍ଚାର ପରମ୍ପରା – ଡଃ ଗଗନେନ୍ଦ୍ରନାଥ ଦାଶ
୪. ଭାଷା ବିଜ୍ଞାନର ରୂପରେଖ – ଡଃ ବାସୁଦେବ ସାହୁ
୫. ଓଡ଼ିଆ ଧ୍ୱନିତତ୍ତ୍ୱ ଓ ଶବ୍ଦ ସମ୍ଭାର – ଡଃ ଧନେଶ୍ୱର ମହାପାତ୍ର
୬. ଭାଷାଶାସ୍ତ୍ର ପରିଚୟ – ଗୋଲୋକବିହାରୀ ଧଳ
୭. ଆଧୁନିକ ଓଡ଼ିଆ ବ୍ୟାକରଣ – ଡଃ ଧନେଶ୍ୱର ମହାପାତ୍ର
୮. ଓଡ଼ିଆ ଭାଷାତତ୍ତ୍ୱ ଓ ଲିପିର ବିକାଶ – ଡଃ କୁଞ୍ଜବିହାରୀ ତ୍ରିପାଠୀ
୯. ସର୍ବସାର ବ୍ୟାକରଣ – ପଣ୍ଡିତ ନାରାୟଣ ମହାପାତ୍ର

H-VIII	ସାହିତ୍ୟ ଓ ସଂସ୍କୃତି	Term end -80 Internal- 20
Unit-I	ସାହିତ୍ୟ ଓ ସଂସ୍କୃତି ବିଶେଷ ଆଲୋଚନା	20
କ.	ସାହିତ୍ୟ ଓ ସମାଜ	
ଖ.	ବ୍ୟକ୍ତି ଓ ସମାଜ	
ଗ.	ସମାଜ ଓ ସଂସ୍କୃତି	
	ଦୁଇଟି ଦୀର୍ଘ ଉତ୍ତରମୂଳକ ପ୍ରଶ୍ନରୁ ଗୋଟିଏ ଉତ୍ତର ଲେଖାଯିବ । ମୂଲ୍ୟ ୨୦ ନମ୍ବର ।	
Unit-II	ଓଡ଼ିଆ ସାହିତ୍ୟ ଓ ଲୋକ ସଂସ୍କୃତି	15
	ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ ।	
Unit-III	ଓଡ଼ିଆ ସାହିତ୍ୟରେ ଜଗନ୍ନାଥ ସଂସ୍କୃତିର ସଂକେତ	15
	ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖିବାକୁ ହେବ ।	
Unit-IV	ଓଡ଼ିଆ ସାମାଜିକ ସଂସ୍କୃତି	15
	ଦୁଇଟି ପ୍ରଶ୍ନରୁ ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ ।	
Unit-V	କଳାହାଣ୍ଡିର ଲୋକ ସଂସ୍କୃତି (ଲୋକନୃତ୍ୟ ଓ ଗୀତ)	15
	ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ଗୋଟିକର ଉତ୍ତର ଲେଖାଯିବ ।	

ସହାୟକ ଗ୍ରନ୍ଥ

୧. ଜଗନ୍ନାଥ ଚେତନାର ଉତ୍ତର ଓ ବିକାଶ – ଡଃ ବାସୁଦେବ ସାହୁ
୨. କଳାହାଣ୍ଡି ଲୋକ ସଂସ୍କୃତି – ଡଃ ମହେନ୍ଦ୍ର କୁମାର ମିଶ୍ର
୩. ଉତ୍କଳୀୟ ସଂସ୍କୃତିର ଅତୀତ ଓ ବର୍ତ୍ତମାନ – ଡଃ ଖଗେନ୍ଦ୍ରନାଥ ମଲ୍ଲିକ
୪. ଓଡ଼ିଶାର କଳା ଓ ସଂସ୍କୃତି – ରବୀନ୍ଦ୍ରମୋହନ ସେନାପତି
୫. କଳାହାଣ୍ଡିର ବୀରଗାଥା – ଡଃ ମହେନ୍ଦ୍ର କୁମାର ମିଶ୍ର
୬. ସାହିତ୍ୟ ଓ ସଂସ୍କୃତି – ବିଜୟ କୁମାର ନନ୍ଦ
୭. ଓଡ଼ିଶାର ସାମାଜିକ ସଂସ୍କୃତି – କଲ୍ଚରାଲ୍ ଫୋରମ
୮. ଶ୍ରୀଜଗନ୍ନାଥ ସଂସ୍କୃତି – କଲ୍ଚରାଲ୍ ଫୋରମ
୯. ଓଡ଼ିଶାର ଲୋକ ସଂସ୍କୃତି – କଲ୍ଚରାଲ୍ ଫୋରମ

* * * * *

POLITICAL SCIENCE (PASS)

The Pass course in Pol. Science shall comprise four papers. There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have at least five long and short questions with alternatives (one with an alternative from each unit); questions carrying equal marks.

SEMESTER-I

P-I Political Theory and Ideology 100 Marks 3 hours

SEMESTER-II

P-II Indian Political Tradition 100 Marks 3 hours

SEMESTER-III

P-III Theories of International Politics 100 Marks 3 hours

SEMESTER-IV

P-IV Indian Govt. and Politics 100 Marks 3 hours

SEMESTER-I

P -I Political Theory and Ideology **Term end: 80**
Internal : 20

Unit-I

- i) Political Science -Nature, Scope and significance.
- ii) Traditional and contemporary (behavioural and post-behavioural) approaches to the study of Political Science.

Unit-II

- i) State-Theories of origin of state.
- ii) Sovereignty -its nature and kinds, monism and pluralism.

Unit-III

- i) Rights, Liberty and Equality
- ii) Law and Justice.

Unit-IV

- i) Democracy -Liberal and Marxian view.
- ii) Grounds of political obligation, welfare State.

Unit-V

- i) Ideologies -Liberalism, Nationalism and Internationalism.

Books Recommended

1. C.E.M. Joad - Modern Political Theory
2. S.P. Verma - Contemporary Political Theory

3. J.C. Johari - Contemporary Political Theory
4. A.P. Padhi, Hazary, J.K. Baral - Political Theory and Ideology
5. A.C. Kapoor - Principles of Political Theory
6. R.C. Agrawal - Political Theory and Ideology
7. B.C. Rout - Principles of Political Theory and Ideology
8. E. Asribatham - Political Theory and Ideologies

SEMESTER-II

P -II Indian Political Tradition **Term end: 80**
Internal : 20

Unit-I

- i) Manu -Social organisation, nature and function of the Government.
- ii) Kautilya: The Arthashastra, relationship between ethics and politics, nature and characteristic of the Government.

Unit-II

- i) Gopal Krishna Gokhale: Political Goal and Political Technique.
- ii) Bal Gangadhar Tilak: Political Goal and Political Technique.

Unit-III

- i) Mahatma Gandhi: Concept of Swaraj, Satyagraha, Sarvodaya, Swadeshi, Non-violence.
- ii) Jawaharlal Nehru: Nationalism, Internationalism and Democratic socialism.

Unit-IV

- i) Raja Ram Mohan Roy: His views on liberalism. His role as a social reformer, Brahma Samaj, Ram Mohan as father of Indian Renaissance.
- ii) Subash Chandra Bose: Nationalism, Swaraj, Freedom

Unit-V

- i) Swami Vivekananda: Concept of Nationalism, concept internationalism.
- ii) Dr. B.R.Ambedkar: Social and political philosophy.

Books Recommended

1. B.C. Rout - Indian Political Tradition
2. V.P. Verma - Indian Political Thought
3. G.C. Nayak - Indian Political Tradition
4. D.K. Mohanty - Indian Political Tradition

SEMESTER-III**P-III Theories of International Politics**

Term end: 80
Internal : 20

Unit-I

- i) The structure of international society -Nature, functioning of sovereign, Nation State system.
- ii) Concept of international politics -power, balance of power, power vacuum, national interest.

Unit-II

- i) Theories of international politics.
 - a) Idealist theory
 - b) Realist theory
 - c) Decision making theory
- ii) Determinants of foreign policy -Ideology, Elements of National Power.

Unit-III

- i) The Cold War -Origin and development, detente.
- ii) Role of Nuclear Age, Disarmament and Arms control.

Unit-IV

International Organisation: The United Nations.

- i) Origin and development.
- ii) The General Assembly -Structure, Role and function.
- iii) Security Council -power and functions, role in peace -keeping.
- iv) The Secretary General -Role and functions.

Unit-V

Regional Organisation: SAARC, ASEAN, NATO (North-Atlantic Treaty Organisation)

Books Recommended

1. K.W. Thompaen - Understanding World Politics
2. Quincy Wright - The Study of International Relations
3. Prakash Chandra - International Politics
4. J.K. Baral - International Politics
5. Prem Arora - International Politics
6. Mahendra Kumar - International Politics

SEMESTER-IV**P -IV Indian Govt. and Politics**

Term end: 80
Internal : 20

Unit-I

- i) The making of India's constitution, Government of India Act, 1935, Constituent Assembly.
- ii) Preamble, salient features of India's constitution.

Unit-II

- i) Fundamental rights and duties, the directive principle of state policy.
- ii) Federation -centre and state relations.

Unit-III

- i) Union Government -President, Prime Minister, Cabinet and Parliament.
- ii) Supreme court and the constitutional process.

Unit-IV

- i) The State Government -Governor, Chief-Minister and Council of Ministers, State Legislature.
- ii) Political parties and pressure groups.

Unit-V

- i) The Election Commission and Election Reforms.
- ii) Major issues in Indian politics -Caste, Religion, Languages, Region, Poverty, Alleviation.

Books Recommended

1. A.S. Narang - Indian Govt. and Politics
2. C.P. Bhambri - Politics in India
3. H.H. Das and Sasmita Das - Indian Govt. and Politics
4. Rajni Kothari - Politics in India
5. Bishnu and Bhagwan - Indian Political System
6. Hans Raj - Indian Govt. and Politics

POLITICAL SCIENCE (HONS)

The Honours course in Pol. Science shall comprise 08 (eight) papers. There shall be one paper each in Semester-I, Semester-II, Semester-III and Semester-IV and two papers each in Semester-V and Semester-VI. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks of Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper. Each paper shall have five long and short questions with alternatives (one with an alternative from each unit); questions carrying equal marks.

SEMESTER-I

H-I Political Theory and Ideology 100 Marks 3 hours

SEMESTER-II

H-II Indian Political Tradition 100 Marks 3 hours

SEMESTER-III

H-III Theories of International Politics 100 Marks 3 hours

SEMESTER-IV

H-IV Indian Govt. and Politics 100 Marks 3 hours

SEMESTER-V

H-V Public Administration 100 Marks 3 hours

H-VI Western Political Thought 100 Marks 3 hours

SEMESTER-VI

H-VII Political Sociology 100 Marks 3 hours

H-VIII International Affairs 100 Marks 3 hours

DETAILED SYLLABUS

SEMESTER-I

H -I Political Theory and Ideology Term end: 80
Internal : 20

Unit-I

- i) Political Science -Nature, Scope and significance.
- ii) Traditional and contemporary (behavioural and post-behavioural) approaches to the study of Political Science.

Unit-II

- i) State-Theories of origin of state.
- ii) Sovereignty -its nature and kinds, monism and pluralism.

Unit-III

- i) Rights, Liberty and Equality
- ii) Law and Justice.

Unit-IV

- i) Democracy -Liberal and Marxian view.
- ii) Grounds of political obligation, welfare State.

Unit-V

- i) Ideologies -Liberalism, Nationalism and Internationalism.

BOOKS RECOMMENDED

1. C.E.M. Joad - Modern Political Theory
2. S.P. Verma - Contemporary Political Theory
3. J.C. Johari - Contemporary Political Theory
4. A.P. Padhi, Hazary, J.K. Baral - Political Theory and Ideology
5. A.C. Kapoor - Principles of Political Theory
6. R.C. Agrawal - Political Theory and Ideology
7. B.C. Rout - Principles of Political Theory and Ideology
8. E. Asribatham - Political Theory and Ideologies

SEMESTER-II

H -II INDIAN POLITICAL TRADITION Term end: 80
Internal : 20

Unit-I

- i) Manu -Social organisation, nature and function of the Government.
- ii) Kautilya:, Relationship between ethics and politics, nature and characteristic of the Government.

Unit-II

- i) Gopal Krishna Gokhale: Political Goal and Political Technique.
- ii) Bal Gangadhar Tilak: Political Goal and Political Technique.

Unit-III

- i) Mahatma Gandhi: Concept of Swaraj, Satyagraha, Sarvodaya, Swadeshi, Non-violence.
- ii) Jawaharlal Nehru: Nationalism, Internationalism and Democratic socialism.

Unit-IV

- i) Raja Ram Mohan Roy: His views on liberalism. His role as a social reformer, Brahma Samaj, Ram Mohan as father of Indian Renaissance.
- ii) Subash Chandra Bose: Nationalism, Swaraj, Freedom

Unit-V

- i) Swami Vivekananda: Concept of Nationalism, concept internationalism.
- ii) Dr. B.R.Ambedkar: Social and political philosophy.

BOOKS RECOMMENDED

1. B.C. Rout - Indian Political Tradition
2. V.P. Verma - Indian Political Thought
3. G.C. Nayak - Indian Political Tradition
4. D.K. Mohanty - Indian Political Tradition
5. V.P.Verma - Modern Indian Political Tradition

SEMESTER-III**H -III THEORIES OF INTERNATIONAL POLITICS****Term end: 80****Internal : 20****Unit-I**

- i) The structure of international society -Nature, functioning of sovereign, Nation State system.
- ii) Concept of international politics -power, balance of power, power vacuum, national interest.

Unit-II

- i) Theories of international politics.
 - a) Idealist theory
 - b) Realist theory
 - c) Decision making theory
- ii) Determinants of foreign policy -Ideology, Elements of National Power.

Unit-III

- i) The Cold War -Origin and development, detente.
- ii) Role of Nuclear Age, Disarmament and Arms control.

Unit-IV

International Organisation: The United Nations.

- i) Origin and development.
- ii) The General Assembly -Structure, Role and function.
- iii) Security Council -power and functions, role in peace -keeping.
- iv) The Secretary General -Role and functions.

Unit-V

Regional Organisation

SAARC, ASEAN, NATO (North-Atlantic Treaty Organisation)

BOOKS RECOMMENDED

1. K.W. Thompaen - Understanding World Politics
2. Quincy Wright - The Study of International Relations
3. Prakash Chandra - International Politics
4. J.K. Baral - International Politics
5. Prem Arora - International Politics
6. Mahendra Kumar - International Politics

SEMESTER-IV**H -IV INDIAN GOVT. AND POLITICS****Term end: 80****Internal : 20****Unit-I**

- i) The making of India's constitution, Government of India Act, 1935, Constituent Assembly.
- ii) Preamble, salient features of India's constitution.

Unit-II

- i) Fundamental rights and duties, the directive principle of state policy.
- ii) Federation -centre and state relations.

Unit-III

- i) Union Government -President, Prime Minister, Cabinet and Parliament.
- ii) Supreme court and the constitutional process.

Unit-IV

- i) The State Government -Governor, Chief-Minister and Council of Ministers, State Legislature.
- ii) Political parties and pressure groups.

Unit-V

- i) The Election Commission and Election Reforms.
- ii) Major issues in Indian politics -Caste, Religion, Languages, Region, Poverty, Alleviation.

BOOKS RECOMMENDED

1. A.S. Narang - Indian Govt. and Politics
2. C.P. Bhambri - Politics in India
3. H.H. Das and Sasmita Das - Indian Govt. and Politics
4. Rajni Kothari - Politics in India
5. Bishnu and Bhagwan - Indian Political System
6. Hans Raj - Indian Govt. and Politics

SEMESTER-V**H -V PUBLIC ADMINISTRATION****Term end: 80****Internal : 20****Unit-I**

- i) Public Administrations -Meaning, Nature and Scope.
- ii) Principle of Organisation -Hierarchy, Unity of command, span of control, delegation, centralisation and decentralisation.

Unit-II**Theories of organisation**

- i) The classical theory (Herry Foyal and Luther Gullick)
- ii) The Scientific Management Theory (F.Taylor)
- iii) The Bureaucratic Theory (Max Weber)
- iv) One Human Relations Theory (Elton Mayo)

Unit-III**Administrative Behaviour**

- i) Leadership ii) Decision making (Herbert Simon)
- iii) Communication iv) Motivation (Maslow and Herzberg)

Unit-IV

Personal Administration in India- Civil service, Recruitment, Training, Promotion, Union Public Service Commission.

Unit-V**Financial Administration in India:**

Budget -Principles, preparation and Enactment Public Account Committee, Estimates Committee, Comptroller and Auditor General. Delegated legislation and Administrative Adjudication.

BOOKS RECOMMENDED

- | | | | |
|-----|------------------|---|---|
| 1. | Bishnu Bhagwan | - | Administrative Theory |
| 2. | Agasti Maheswari | - | Administrative Theory |
| 3. | M.P. Sharma | - | Administrative Theory |
| 4. | Hans Raj | - | Principle of Public Administrations |
| 5. | A.R. Tyagi | - | Public Administrations |
| 6. | C.P. Bhambri | - | Parliamentary Control Over
Public Enterprises in India |
| 7. | C.P. Bhambri | - | Bureaucracy and Politics in India |
| 8. | R.K. Arora | - | Administrative Theory |
| 9. | L.D. White | - | Public Administrations |
| 10. | S.P. Verma | - | Comparative Public Administration |
| 11. | R.D. Jain | - | Aspects in Personnel Administration |
| 12. | P.N. Chaturvedi | - | Administrative Accountability |

H -VI WESTERN POLITICAL THOUGHT

Term end: 80
Internal : 20

Unit-I

- i) Plato -Ideal state, Justice, Education, Communism.
- ii) Aristotle -State and citizenship, slavery, revolution, father of Political Science.

Unit-II

- i) Machiavelli -State, Ethics, Religion, Natural Rights
- ii) Hobbes -State of nature, Social Contract, Views on Sovereignty, Individualism.

Unit-III

- i) Locke -State of Nature, Social contract, Property, Liberalism.
- ii) Rousseau -State of Nature, Social Contract, views on sovereignty, General will.

Unit-IV

- i) Benthan -Utilitarianism, Role of state.
- ii) **J.S.Mill -Utilitarianism, Liberty, Democracy.**

Unit-V

- i) Hegel -Dialectic, Concept of war, State, Nationalism.
- ii) Karl Marx -dialectical Materialism, surplus value, class struggle, dictatorship and proletariat.

BOOKS RECOMMENDED

- | | | | |
|-----|------------------------|---|--|
| 1. | M. Sharma | - | Political Theory and Thought |
| 2. | C.L. Wayper | - | Political Thought |
| 3. | William Ebenstein | - | Great Political Thinker |
| 4. | Ernest Barker | - | Political Thought of Plato and Aristotle |
| 5. | George H. Sabine | - | A History of Political Theory |
| 6. | V.P. Verma | - | Political Philosophy |
| 7. | A.K. Mukhopadhaya | - | Western Political Thought |
| 8. | Powle | - | Western Political Thought |
| 9. | N.D. Arora | - | Theory of State |
| 10. | J.C. Johari | - | Western Political Thought |
| 11. | Sukbir Singh Vol-I, II | - | Western Political Thought |

SEMESTER-VI**H -VII POLITICAL SOCIOLOGY**

Term end: 80
Internal : 20

Unit-I

- i) Political Sociology -Nature and scope
- ii) The Socio-political process -A theoretical frame work, the political system.

Unit-II

- i) Power-Theories and political power, liberal, Marxian and elite theory.
- ii) Authority and Legitimacy.

Unit-III

- i) Social stratification -Bases, class, caste status and power.
- ii) Political socialisation -Meaning, forms and role of agents.

Unit-IV

- i) Political culture -Types and significance.
- ii) Political participation -meaning, types and significance.

Unit-V

- i) Social change -Meaning and factors, theories of social change, resistance to social change.
- ii) Political Development -Lucian W pye theory of Political Development, crisis and Political Development

BOOKS RECOMMENDED

1. John Wilson - Introduction to Social Movements
2. Blackburn - Political Sociology
3. Dipti Biswas - Political Sociology (An Introduction)
4. A.K. Mukhopadhaya - Political Sociology (An Introductory Analysis)
5. S.P. Guru - Political Socialization of the Urban Political Elites
6. Ali Ashraf and L.N. Sharma - A New Grammar of Politics (Political Sociology)
7. L.S. Rathore - Political Sociology
8. Tom Bottomore - Political Sociology
9. Anthony M. Orum - Introduction to Political Sociology
10. S.K. Lipset - Political and Social Sciences

H -VIII INTERNATIONAL AFFAIRS

Term end: 80
Internal : 20

Unit-I

- i) Decolonisation and expansion of the International organisation.
- ii) The role of international law, the international court of justice.

Unit-II

- i) Specialised agencies of the U.N. and their roles -IMF, IBRD, WHO, FAO, UNICEF and The UNESCO.
- ii) Regional organisations -OAS, OAU, The ASEAN, The Arab League and The European Union.

Unit-III

- i) Diplomatic theory and practice -the role of ideology in international relations.
- ii) The Non-aligned movement in international relation.

Unit-IV

India's Foreign Policy and Relations:
India and the Super Powers.
India and its Neighbour

Unit-V

India and South-East Asia
India and African Problems

BOOKS RECOMMENDED

1. Prakash Chandra - International Politics
2. J.K. Baral - International Politics
3. Prem Arora - International Politics (Affair)
4. Mahendra Kumar - International Politics
5. K.P. Bajpai - Interpreting World Politics
6. B.S. Chimni - International Law and World Order
7. A.P. Rana - The Imperative of Non-Alignment
8. Rosenau, James N. - World Politics
9. Charles Kegley - World Politics Trends and Transformation
10. Rosenan, James N. - The Scientific Study of Foreign Policy

SANSKRIT (HONOURS)

The Honours course in Sanskrit shall comprise 08 (Eight) Theory papers. There shall be one paper each in Semester-I, Semester-II, Semester-III and Semester-IV and two papers each in Semester-V and Semester-VI. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks of Internal Assessment Examination) and shall be of 03 hours duration. There shall be 05 units in each paper.

COURSE STRUCTURE**SEMESTER-I**

H-I 100 Marks

SEMESTER-II

H-II 100 Marks

SEMESTER-III

H-III 100 Marks

SEMESTER-IV

H-IV 100 Marks

SEMESTER-V

H-V 100 Marks

H-VI 100 Marks

SEMESTER-VI

H-VII 100 Marks

H-VIII 100 Marks

SEMESTER-I**H - I****Term end: 80
Internal : 20**

- i) **Poetry:**
Kiratarjuniya of Bharavi (Canto-I): (Unit I and II) 30 Marks
- ii) **Darshana Kavya :**
Gita II Adhyaya (Sankhya Yoga) : (Unit III and IV) 30 Marks
- iii) **Prosody:**
Chhandomanjari of Gangadasa : (Unit V)
(Following Fourteen chhandas to be studied :
Arya, Anustup, Indravajra, Upendravajra, Bhujanga-prayata, Drutavilambita,
Vamsastha, Praharshini, Malini, Vasantatilaka, Mandakranta, Sikharini,
Sardulavikridita, Sragdhara) 20 Marks
- UNIT-I**
Essay type question (One) 12 Marks

UNIT-II

- a) Explanation of Sloka (One) 08 Marks
- b) Translation of One Sloka into English or Oriya 05 Marks
- c) Grammar from the text
Samasa - 03 Marks
Vibhakti - 02 Marks 05 Marks

UNIT-III

Essay type question (One) 12 Marks

UNIT-IV

- (a) Explanation of Sloka (One) 08 Marks
- (b) Short type questions (Two) 10 Marks

UNIT-V

- (a) Definition with example of Two chhandas 10 Marks
- (b) Determination of prescribed chhanda with definition
from the given examples (Two) 10 Marks

Books Recommended:

- 1) Kiratarjuniya Canto-I: Ed.M.R.Kale, Motilal Banarsidas, Delhi.
- 2) Kiratarjuniya : Chowkhamba Publication, Varanasi.
- 3) Srimad Bhagavad Gita : Gita Press, Gorakhpur.
- 4) Srimad Bhagavad Gita-II Adhyaya Ed. Dr. N.Pati & Dr.S.Das, Vidyapuri, Cuttack.
- 5) Chhandomanjari of Gangadasa : Ed. B.Tripathy, Chowkhamba Publication,
- 6) Chhandomanjari : G.N.Mahapatra

SEMESTER-II**H - II****Term end: 80
Internal : 20**

- i) History of Classical Sanskrit Literature : (Unit-I, II, III, IV)
Epics, Mahakavyas, Lyrics, Drama, Prose, Champu, Fables
and Fairy Tales. 60 Marks
- ii) History of Vedic Literature : (Unit-V)
Samhitas, Brahmanas, Aranyakas, Upanishads and Vedangas. 20 Marks
- UNIT-I** (Ramayana and Mahabharata)
Essay type question (One) : 15 Marks
- UNIT-II** (Mahakavyas and Lyrics)
Essay type question (One) OR
Short type questions (Three) 15 Marks

UNIT-III (Drama and Prose)	
Essay type question (One) OR	
Short type questions (Three)	15 Marks
UNIT-IV (Champu, Fables & Fairy Tales)	
Short Notes (Three)	15 Marks
UNIT-V a) (Samhitas, Brahmanas)	
Essay type question (One) OR	
Short type questions (Three)	10 Marks
b) (Aranyakas, Upanishads, Vedangas)	
Essay type question (One) OR	
Short type questions (Two)	10 Marks

Books Recommended :

- 1) History of Sanskrit Literature : Winternitz.
- 2) History of Sanskrit Literature : H.R.Agrawal
- 3) Sanskrit Sahitya Ka Itihas : Acharya Baladev Upadhyaya
- 4) Sanskruta Sahityara Itihasa : Dr. G.N.Mahapatra
- 5) Sanskrita Sahityara Itihasa : Dr. H.K.Satapathy
- 6) Vaidik Sahitya Aur Sanskriti : B.Upadhyaya
- 7) Vaidika Sahitya O Sanskruti : Dr. A.C.Dash

SEMESTER-III

H - III	Term end: 80
	Internal : 20
i) Drama :	
Abhijnana Sakuntalam of Kalidasa (Unit-I, II, III, IV)	60 Marks
ii) Modern Sanskrit Poetry	
Kavya-Vaitarani (Anthology of Sanskrit poems) (Unit-V)	
Pieces to be studied:	
Kavita, Rajani Vjanibhavati, Jivanam Sundaram,	
Durva, Kutra Vilinah, Kavivara Barambaram.	20 Marks
UNIT-I	
a) Explanation of Sanskrit or Prakrit Verses (Two)	16 Marks
b) Translation of One Sanskrit Verse into English or Oriya	04 Marks
UNIT-II	
Essay type question (One)	15 Marks
UNIT-III	
Short type questions (Four)	20 Marks

UNIT-IV	
Grammar from the text	
Samasa : 3 Marks	
Karaka : 2 Marks	05 Marks
UNIT-V	
Essay type question (One)	12 Marks
Explanation of One stanza	08 Marks
Books Recommended :	
1) Abhijnana Sakuntalam : Ed. R.M.Bose, Modern Book Agency, Calcutta	
2) Abhijnana Sakuntalam : Ed. S.R.Ray	
3) Abhijnana Sakuntalam : Ed. M.R.Kale, Motilal Banarasidass, Delhi	
4) Abhijnana Sakuntalam : Ed. R.M.Mahapatra	
5) Kavya Vaitarani : Ed. Prof. P.Mishra & M.Acharya, Vidyapuri, Cuttack.	

SEMESTER-IV

H - IV	Term end: 80
	Internal : 20
i) Prose :	
Dashakumara-charita (II Ucchwas) of Dandin	
(Unit-I, II)	30 Marks
ii) Poetry:	
Meghaduta (Purva Megha) of Kalidasa (Unit-III, IV)	30 Marks
iii) Figures of Speech:	
Sahitya Darpana- Chapter-X of Viswanath Kaviraj (Unit-V)	
Following Fourteen Alankaras to be studied without sub divisions:	
Anuprasa, Yamaka, Upama, Rupaka, Slesha, Utpreksha,	
Vyatiresha, Vibhavana, Visheshokti, Apahnuti,	
Arthantaranyasa, Dristanta, Swabhavokti and Samasokti.	20 Marks
UNIT-I	
Essay type question (One) OR Short type questions (Three)	12 Marks
UNIT-II	
a) Translation of Two passages from the text	
into English or Oriya	08 Marks
b) Grammar from the text :	
Sandhi : 2 Marks	

Prakriti-pratyaya : 2 Marks	
Samasa : 2 Marks	
Vibhakti : 2 Marks	10 Marks

UNIT-III

a) Essay type question (One)	12 Marks
b) Short type questions (Two)	06 Marks

UNIT-IV

a) Explanation of Sloka (One)	08 Marks
b) Translation of One Sloka into English or Oriya	04 Marks

UNIT-V

a) Definition with example of Two Alankaras	15 Marks
b) Determination of prescribed Alankaras with definitions from the given examples (Two)	10 Marks

Books Recommended :

1. Dashakumaracharitam : Ed. M.R.Kale, Motilal Banarsidass, Delhi.
2. Dashakumaracharita : Ed. Dr. G.N.Mahapatra, Nalanda, Cuttack.
3. Meghaduta : Ed. M.R.Kale, Motilal Banarsidass, Delhi.
4. Meghaduta : Ed. Shesharaj Sharma Regmi.
5. Meghaduta : Ed. Radhamohan Mahapatra.
6. Meghaduta : Ed. Dr. Naba Kishore Mishra & Dr. Braja Sundar Mishra,
7. Sahitya Darpana : Ed. P.V.Kane, Motilal Banarasidass, Delhi
8. Sahitya Darpana : Alankara Ed. Dr. Harekrishna Meher, Vidyapuri, Cuttack.
9. Sahitya Darpana : Ed. Saligram Sastri,
10. Sahitya Darpana : Ed. S.B.Singh.

SEMESTER-V**H - V**

Term end: 80
Internal : 20

i) Prose : Sukanasopadesha (from Kadambari) of Banabhatta (Unit-I)	20 Marks
ii) Grammar : Siddhanta Kaumudi (Karaka Prakarana) (Unit-II, III, IV)	50 Marks
iii) Expansion of Ideas in Sanskrit (Unit-V)	10 Marks

UNIT-I

a) Essay type question (One)	12 Marks
b) Explanation of Prose Piece (One)	08 Marks

UNIT-II

(Prathama, Dwitiya and Tiritiya Vibhaktis) Explanation of Four Sutras / Vartikas / Vrittis	20 Marks
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UNIT-III

(Chaturthi and Panchami Vibhaktis) Explanation of Three Sutras / Vartikas / Vrittis	15 Marks
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UNIT-IV

(Sasthi and Saptami Vibhaktis) Explanation of Three Sutras / Vartikas / Vrittis	15 Marks
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UNIT-V

Expansion of Ideas in Sanskrit (One)	10 Marks
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Books Recommended :

- 1) Sukanasopadesha : Ed. R.K.Jha & H.H.Jha, Chowkhamba Vidya Bhavan, Varanasi
- 2) Sukanasopadesha : M.R.Kale, Motilal Banarsidass, Delhi.
- 3) Siddhanta Kaumudi : Minati Mishra, Vidyapuri, Cuttack
- 4) Siddhanta Kaumudi : Dr. G.K.Dash & Smt. K.Dash
- 5) Siddhanta Kaumudi : S.R.Ray
- 6) Sanskrita Nibandha Satakam : Kapil Dev Dwivedi
- 7) Sanskrita Prabandha Ratnakara : G. N. Mohapatra.

H - VI

Term end: 80
Internal : 20

i) Dharma Shastra : Manu-Smriti Chapter-II (Sloka 1 to 108) (Unit-I, II)	30 Marks
ii) Poetics : General Ideas of Abhidha, Lakshana and Vyanjana Vrittis (Unit-III) and General Ideas of Riti, Dhvani, Auchitya, Vakrokti, Alankara and Rasa Schools (Unit-IV)	30 Marks
iii) Inscriptions : (Unit-V)	
a) Girnar Rock Inscription of Rudradaman	
b) Allahabad Stone Pillar Inscription of Samudragupta	

c)	Mandasore Stone Pillar Inscription of Yashodharman.	
d)	Banskhera Copper Plate Inscription of Harsavardhan.	20 Marks
UNIT-I		
a)	Essay type question (One)	12 Marks
UNIT-II		
a)	Short type question (Two)	10 Marks
b)	Explanation of One Verse	08 Marks
UNIT-III		
	Short Notes (Three)	15 Marks
UNIT-IV		
	Short Notes (Three)	15 Marks
UNIT-V		
a)	Essay type question (One)	12 Marks
b)	Explanation of Prose Piece or Verse (One)	08 Marks

Books Recommended :

- 1) Manu Smriti : Chowkhamba Publication, Varanasi.
- 2) Manu Smriti : Dr. Naba Kishore Mishra & Dr. Braja Sundar Mishra, Vidyapuri, Cuttack.
- 3) Sahitya Darpana O Chhanda : Dr. N.Pati
- 4) Sahitya Darpana : Ed. Saligram Sastri
- 5) Sahitya Darpana : Alankara, Dr. H.K.Meher, Vidyapuri, Cuttack.
- 6) Sahitya Darpana : P.V.Kane, Motilal Banarsidass, Delhi
- 7) Select Sanskrit Inscriptions : Ed. D.B.Diskalkar, Classical Publishers, New Delhi.
- 8) Abhilekha Sangraha : Ed. Dr. Sujata Das.
- 9) Abhilekhamala : Ed. R.K.Jha & H.Jha, Choukhamba Vidya Bhavan, Varanasi.

SEMESTER-VI

H - VII		Term end: 80
		Internal : 20
i)	Grammar : (Unit-I, II, III) Laghu Siddhanta-Kaumudi (Sajñ? and Sandhis)	50 Marks
ii)	Kavya : (Unit-IV) Sisupalavadha (Canto-I) of Magha	20 Marks
iii)	Essay in Sanskrit : (Unit-V)	10 Marks

UNIT-I	(Sajñ?) Explanation of Sutras / Vartikas / Vrittis (Three)	15 Marks
UNIT-II	(Ach Sandhi) Explanation of Sutras / Vartikas / Vrittis (Three)	15 Marks
UNIT-III	(Hal Sandhi and Visarga Sandhi) Explanation of Sutras / Vartikas / Vrittis (Four)	20 Marks
UNIT-IV	a) Essay Type Question (One) b) Explanation of Sloka (One)	12 Marks 08 Marks
UNIT-V	Essay in Sanskrit (One)	10 Marks

Books Recommended :

- 1) Laghu Siddhanta Kaumudi : (Ed. Sridharanand Sastri) Motilal Banarsidass, Delhi.
- 2) Laghu Siddhanta Kaumudi : Chowkhamba Publication, Varanasi
- 3) Laghu Siddhanta Kaumudi : (S.R.Ray) Sanskrit Pustak Bhandar, Calcutta.
- 4) Laghu Siddhanta Kaumudi : Ed. P.Patra & F.Mahanandia.
- 5) Sisupalavadham : (Ed. S.R.Ray) Bharatiya Vidya Prakashan, Delhi.
- 6) Sisupalavadham : Motilal Banarsidass, Delhi.
- 7) Sisupalavadham Canto-I : Ed. G.N.Mahapatra.
- 8) Sanskrita Nibandha Satakam : Kapil Dev Durivedi.
- 9) Sanskrita Prabandha Ratnakara : G.N.Mahapatra.

H -VIII**Term end: 80**
Internal : 20

- i) **Vedic Text** : (Unit-I, II, III)
Following Nine Suktas with the commentary of Sayana / Mahidhara :
Rigveda: Agni (I-1); Savitr (I-35); Usas (I-48); Visnu (I-54);
Rudra (II-33); Samjñ?na (X-191); V?k (X-125)
Yajurveda : Purusa-Sukta (XXXI.I-16);
Siva-Sankalpa (XXXIV.I-6) 45 Marks
- ii) **Vedic Grammar** : (Unit-IV)
Following Fifteen Sutras are to be studied.
Chhandasi Parepi; Vyavahitashcha; Linarthe let; Letodatau; Sibbahulam leti;
Vaitonyatra; Chhandasi lun-lan-litah; Ata ai; Bahulam Chhandasi ; Ajjaserasuk;
Supam Suluk, Tumarthe se sen ase asen kse kasen adhyai adhyain kadhayai
kadhayin shadhayai shadhayain tavai taven tavenah; Chaturthyarthe Bahulam
Chhandasi; Idantomasi; Chhandasi Ubhayatha. 15 Marks

iii)	Upanishad : (Unit-V) Kathopanishad, Chapter-I (Vallis 1, 2, 3)	20 Marks
UNIT-I		
	Explanation of Mantras (Two)	16 Marks
UNIT-II		
	Essay Type Question (One)	12 Marks
UNIT-III		
	a) Translation of Mantras into English or Oriya(Two)	10 Marks
	b) Explanatory Short Notes (Two)	04 Marks
	c) Grammar from the Vedic Text	03 Marks
UNIT-IV		
	Explanation of Sutras (Three)	15 Marks
UNIT-V		
	a) Essay Type Question (One)	12 Marks
	b) Explanation of Mantra (One)	08 Marks

Books Recommended :

- 1) The New Vedic Selection (Part-I) : Ed. Telang and Chaubey, Bharatiya Vidya Prakashan, Delhi.
- 2) Veda O Vaidika Prakarana : Ed. Dr.N.Pati, Vidyapuri, Cuttack.
- 3) Siddhanta Kaumudi : Minati Mishra, Vidyapuri, Cuttack.
- 4) Siddhanta Kaumudi (Vaidika Prakriya with Mitabhasini Tika) : S.R.Ray.
- 5) Kathopanishad : Gita Press, Gorakhpur.
- 6) Kathopanishad : H.K.Satapathy, Nalanda, Cuttack.

Sanskrit (PASS)

The Pass course in Sanskrit shall comprise Four Theory papers. There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks of Internal Assessment Examination) and shall be of 03 hours duration. There shall be 05 units in each paper.

COURSE STRUCTURE

SEMESTER-I	
P-I	100 Marks
SEMESTER-II	
P-II	100 Marks
SEMESTER-III	
P-III	100 Marks
SEMESTER-IV	
P-IV	100 Marks

SEMESTER-I**P - I**

Term end: 80
Internal : 20

- i) **Poetry:**
Kiratarjuniya of Bharavi (Canto-I) : (Unit I and II) 30 Marks
 - ii) **Darshana Kavya :**
Gita II Adhyaya : (Sankhya Yoga) : (Unit III and IV) 30 Marks
 - iii) **Prosody :**
Chhandomanjari of Gangadasa : (Unit V)
(Following Fourteen chhandas to be studied :
Arya, Anustup, Indravajra, Upendravajra, Bhujanga-prayata, Drutavilambita, Vamsastha, Praharshini, Malini, Vasantatilaka, Mandakranta, Sikharini, Sardulavikridita, Sragdhara) 20 Marks
- | | |
|-------------------------------|----------|
| UNIT-I | |
| Essay type question (One) | 12 Marks |
| UNIT-II | |
| a) Explanation of Sloka (One) | 08 Marks |

- b) Translation of One Sloka into English or Oriya 05 Marks
 c) Grammar from the text
 Samasa - 03 Marks
 Vibhakti - 02 Marks 05 Marks

UNIT-III

- Essay type question (One) 12 Marks

UNIT-IV

- a) Explanation of Sloka (One) 10 Marks
 b) Short type questions (Two) 08 Marks

UNIT-V

- (a) Definition with example of Two chhandas 10 Marks
 (b) Determination of prescribed chanda with definition
 from the given examples (Two) 10 Marks

Books Recommended:

- 1) Kiratarjuniya Canto-I: Ed.M.R.Kale, Motilal Banarsidas, Delhi.
- 2) Kiratarjuniya : Chowkhamba Publication, Varanasi.
- 3) Srimad Bhagavad Gita : Gita Press, Gorakhpur.
- 4) Srimad Bhagavad Gita-II Adhyaya: Ed. Dr. N.Pati & Dr.S.Das, Vidyapuri, Cuttack.
- 5) Chhandomanjari of Gangadasa : Ed. B.Tripathy, Chowkhamba Publication,
- 6) Chhandomanjari : G.N.Mahapatra

SEMESTER-II**P - II**

Term end: 80
 Internal : 20

- i) **History of Classical Sanskrit Literature** : (Unit-I, II, III, IV)
 Epics, Mahakavyas, Lyrics, Drama, Prose, Champu, Fables
 and Fairy Tales. 60 Marks
 ii) **History of Vedic Literature** : (Unit-V)
 Samhitas, Brahmanas, Aranyakas,
 Upanishads and Vedangas. 20 Marks

UNIT-I

- (Ramayana and Mahabharata)
 Essay type question (One) : 15 Marks

UNIT-II

- (Mahakavyas and Lyrics)
 Essay type question (One) OR
 Short type questions (Three) 15 Marks

UNIT-III

- (Drama and Prose)
 Essay type question (One) OR
 Short type questions (Three) 15 Marks

UNIT-IV

- (Champu, Fables & Fairy Tales)
 Short Notes (Three) 15 Marks

UNIT-V

- a) (Samhitas, Brahmanas)
 Essay type question (One) OR Short type questions (Three) 10 Marks
 b) (Aranyakas, Upanishads, Vedangas)
 Essay type question (One) OR Short type questions (Two) 10 Marks

Books Recommended :

- 1) History of Sanskrit Literature : Winternitz.
- 2) History of Sanskrit Literature : H.R.Agrawal
- 3) Sanskrit Sahitya Ka Itihas : Acharya Baladev Upadhyaya
- 4) Sanskruta Sahityara Itihasa : Dr. G.N.Mahapatra
- 5) Sanskrita Sahityara Itihasa : Dr. H.K.Satapathy
- 6) Vaidik Sahitya Aur Sanskriti : B.Upadhyaya
- 7) Vaidika Sahitya O Sanskruti : Dr. A.C.Dash

SEMESTER-III**P - III**

Term end: 80
 Internal : 20

- i) **Drama** :
 Abhijnana Sakuntalam of Kalidasa (Unit-I, II, III, IV) 60 Marks
 ii) **Modern Sanskrit Poetry**
 Kavya-Vaitarani (Anthology of Sanskrit poems) (Unit-V)
Pieces to be studied:
 Kavita, Rajani Vijanibhavati, Jivanam Sundaram, Durva,
 Kutra Vilinah, Kavivara Barambaram. 20 Marks

UNIT-I

- a) Explanation of Sanskrit or Prakrit Verses (Two) 16 Marks
 b) Translation of One Sanskrit Verse into English or Oriya 04 Marks

UNIT-II

- Essay type question (One) 15 Marks

UNIT-III

Short type questions (Four) 20 Marks

UNIT-IV

Grammar from the text
Samasa-2 : 3 Marks
Karakas-2 : 2 Marks 05 Marks

UNIT-V

Essay type question (One) 12 Marks
Explanation of One stanza 08 Marks

Books Recommended :

- 1) Abhijnana Sakuntalam : Ed. R.M.Bose, Modern Book Agency, Calcutta
- 2) Abhijnana Sakuntalam : Ed. S.R.Ray
- 3) Abhijnana Sakuntalam : Ed. M.R.Kale, Motilal Banarasidass, Delhi
- 4) Abhijnana Sakuntalam : Ed. R.M.Mahapatra
- 5) Kavya Vaitarani : Ed. Prof. P.Mishra & M.Acharya, Vidyapuri, Cuttack.

SEMESTER-IV**P - IV**

Term end: 80
Internal : 20

- i) **Prose :**
Dashakumara-charita (II Ucchwasas) of Dandin (Unit-I, II) 30 Marks
- ii) **Poetry :**
Meghaduta (Purva Megha) of Kalidasa (Unit-III, IV) 30 Marks
- iii) **Figures of Speech:**
Sahitya Darpana- Chapter-X of Viswanath Kaviraj (Unit-V)
Following Fourteen Alankaras to be studied without sub divisions:
Anuprasa, Yamaka, Upama, Rupaka, Slesha, Utpreksha,
Vyatireka, Vibhavana, Visheshokti, Apahnuti,
Arthantaranyasa, Dristanta, Swabhavokti and Samasokti. 20 Marks

UNIT-I

Short type questions (Three) OR Essay type question(One) 12 Marks

UNIT-II

a) Translation of Two passages from the text
into English or Oriya 10 Marks

b) Grammar from the text :
Sandhi : 2 Marks
Prakriti-pratyaya : 2 Marks
Samasa : 2 Marks
Vibhakti : 2 Marks 08 Marks

UNIT-III

a) Essay type question (One) 12 Marks
b) Short type questions (Two) 06 Marks

UNIT-IV

a) Explanation of Sloka (One) 08 Marks
b) Translation of One Sloka into English or Oriya 04 Marks

UNIT-V

a) Definition with example of Two Alankaras 10 Marks
b) Determination of prescribed Alankaras with
definitions from the given examples (Two) 10 Marks

Books Recommended :

1. Dashakumaracharitam : Ed. M.R.Kale, Motilal Banarsidass, Delhi.
2. Dashakumaracharita : Ed. Dr. G.N.Mahapatra, Nalanda, Cuttack.
3. Meghaduta : Ed. M.R.Kale, Motilal Banarsidass, Delhi.
4. Meghaduta : Ed. Shesharaj Sharma Regmi.
5. Meghaduta : Ed. Radhamohan Mahapatra.
6. Meghaduta : Ed. Dr. Naba Kishore Mishra & Dr. Braja Sundar Mishra,
7. Sahitya Darpana : Ed. P.V.Kane, Motilal Banarsidass, Delhi
8. Sahitya Darpana : Alankara, Ed. Dr. Harekrishna Meher, Vidyapuri, Cuttack.
9. Sahitya Darpana : Ed. Saligram Sastri,
10. Sahitya Darpana : Ed. S.B.Singh.

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SOCIOLOGY: PASS (Under Semester Pattern)

The Pass course in Sociology shall comprise four papers. There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 100 marks (80 marks of Term-end Examination (3 hours) and 20 marks Internal Assessment Examination(45 minutes). There shall be 05 units in each paper. Each paper shall have at least five long questions, one from each unit with alternatives (long or short) from the same unit. All questions carry equal marks.

COURSE STRUCTURE**SEMESTER-I**

P-I Introduction To Sociology 100 marks 3 hours

SEMESTER-II

P-II Indian Society 100 marks 3 hours

SEMESTER-III

P-III Family, Kinship & Marriage 100 marks 3 hours

SEMESTER-IV

P-IV Indian Society : Issues & Problems 100 marks 3 hours

DETAILED SYLLABUS**SEMESTER-I****P - I INTRODUCTION TO SOCIOLOGY**

Term end: 80
Internal : 20

Unit - I Meaning and Nature of Sociology

Definition, Meaning, Nature and Scope of Sociology.
Relation of sociology with other social sciences (Pol.Sc, History, Economics, Social Psychology, Social Anthropology).

Unit - II Basic concepts in sociology

Society, Community, Institutions and Association.
Social Group - Primary, Secondary,
In-group, Out-group, Reference Group.

Unit - III Individual and Society

Relation between Individual and Society
Culture -Definitions, characteristics and functions
Socialization - Definition, Types, agencies and Role of socialization.

Unit - IV Social Stratification and mobility

Meaning and nature of social stratification.
Forms of social stratification, Caste and Class
Theories of social stratification (Functionalist and Marxist)
Social Mobility - Meaning and Types.

Unit - V Social Change

Meaning and Characteristics of Social change.
Education and social change.
Technology and social change.
Economic development and social change.

Books Recommended

:-

Essential Books:-

1. Shankar Rao, C.N - Sociology, S.Chand (For Unit II, III, IV, V)
2. Jena and Mohanty : Introductory Sociology, Kalyani pub. (For Unit II, III, IV, V)
3. Vidya Bhushan & Sachdeva - An Introduction to Sociology(For Unit II, III, IV, V)
4. Jena and Mohanty : Prarambhika Samaj Sastra (Oriya), Kalyani pub. (For Unit II, III, IV, V)

Reference Books:-

5. Inkeles, Alex: What is Sociology Prentice Hall , India..
6. MacIver and Page : Society : An Introductory Analysis, Macmillan India.(For Unit II, III)
7. Sharan Raka : A Hand book of Sociology, Anmol Publication.
8. Kar, Parimal B : Sociology, New Central Book agency. (For Unit-III, IV, V)

SEMESTER-II**P- II INDIAN SOCIETY**

Term end: 80
Internal : 20

Unit - I Unity in Diversity

Factors of Diversity - Caste, Language and Religion.
Factors of Unity.

Unit - II Hindu Social Organization

Bases of Hindu social organization- Varnashrama Vyabastha, Purusartha, Doctrine of Karma.

Unit - III Caste system

Definition, Characteristics.
Vara and caste, Factors affecting the caste system
Change and continuity in the caste system.

Unit - IV Social Reform Movements

Bhakti Movement.
Sufi Movement.
Arya Samaj

Unit - V Social change and transformation

Westernization, Sanskritization
Industrialization, Modernization

Books Recommended :-**Essential Books:-**

1. Kar, P. K. : Indian Society, Kalyani Pub. (For Unit I, II, III, IV, V).
2. Shankar Rao, C.N - Sociology of Indian Society, S.Chand. (For Unit II, III, IV, V)
3. Jena and Mohanty : Indian Society, Elegant pub. (For Unit I, V).

Reference Books:-

4. Mandelbaum, D : Society in India, Popular Prakasan.
5. Dube, S.C. : Society in India, NBT Pub.
6. Sharma, K.L. : Indian Society, NCERT Pub.
7. Ahuja Ram : Indian social system, Manohar Pub.

SEMESTER-III**P - III FAMILY, KINSHIP & MARRIAGE**

Term end: 80
Internal : 20

Unit - I Kinship

Meaning and definition, Types, rules of descent
Kinship Terminologies, Usefulness of kinship.

Unit - II Hindu marriage system

Meaning and aims, Eight forms of Hindu marriage
Rules of mate selection, Hindu Marriage Act of 1955.

Unit - III Joint Family System

Meaning, definition and characteristics
Types, Functions,
Disintegration of joint family.

Unit - IV Marriage among minorities

Muslim marriage - Conditions, Types and provision for divorce.
Christian marriage - Mate selection and provision for divorce.

Unit - V Marriage among the Tribes

Marriage as an institution among the Tribes, Prohibitions,
Rules of mate selection, dissolution of tribal marriage.

Books Recommended :-**Essential Books:-**

1. Shankar Rao, C.N.- Sociology of Indian Society, S.Chand. (For Unit I, II, III, IV, V).
2. Ahuja Ram : Indian social system, Manohar Pub. . (For Unit II, III, IV).
3. Kar, P. K. : Indian Society, Kalyani Pub. (For Unit II, III, IV, V).
4. Jena and Mohanty : Indian Society, Elegant pub. . (For Unit I, II, III, IV, V).

Reference Books:-

5. Kar, Parimal B : Sociology, New Central Book agency. (For Unit I).
6. Kapadia, K.M. : Marriage and family in India, Oxford Univ. Press.
7. Sharma, K.L. : Indian Society, NCERT Pub.
8. Dube, S.C. : Society in India, NBT Pub.

SEMESTER-IV**P - IV INDIAN SOCIETY : ISSUES AND PROBLEMS**

Term end: 80
Internal : 20

Unit - I Communalism

The concept, Historical development,
Causes of communalism,
Strategies to tackle communalism.

Unit - II Casteism

The concept, Causes, Present trend
Strategies to tackle casteism.

Unit - III Poverty

The concept, causes, consequences (Vicious cycle)
Strategies to tackle poverty.

Unit - IV Regionalism

The concept, Back ground, Regional disparities
Strategies to tackle Regionalism.

Unit - V Problems of AIDS

The concept, Causes
Strategies to tackle the problem (prevention and Cure)
AIDS and society

Books Recommended :-**Essential Books:-**

1. Shankar Rao, C.N.: Sociology of Indian Society, S.Chand. (For Unit I, II, V).
2. Ahuja Ram : Social problems In India, Rawat Pub. . (For Unit I, II, III, IV, V).
3. Kar, P. K. : Indian Society, Kalyani Pub. . (For Unit I, II, IV).
4. Jena and Mohanty : Indian Society, Elegant pub. . (For Unit I, II, IV).

Reference Books:-

5. Chandra, E : Social Problems of India, Bookhive Publications
6. Sharma, K.L. :Indian Society, NCERT Pub.
7. Beteille, Andre : Social Inequality, Oxford Univ. Press.

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COURSES OF STUDIES
Archaeology & Museology (Pass)
[Vocational]

The Pass course in Archaeology & Museology shall comprise four theory papers (P-I, P-II, P III, P-IV), two practical papers including viva-voce test(Practical-I & Practical-II). There shall be one paper in each Semester (Semester-I, Semester-II, Semester-III and Semester-IV). Each paper shall carry 75 marks (60 marks of Term-end Examination and 15 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 05 units in each paper.

Each paper shall have at least five long and questions with alternatives (one with an alternative from each unit); questions carrying equal marks. Practical training, Report-writing and viva-voce test carries 50 marks, out of which 25 mark is on report, and 25 mark on viva-voce.

COURSE STRUCTURE**SEMESTER-I**

P-I Introduction to Archaeology 75 Marks

SEMESTER-II

P-II Archaeology of India 75 Marks
Practical-I Practical Training Report Writing and Via-Voce 50 Marks

SEMESTER-III

P-III Introduction to Museology 75 Marks

SEMESTER-IV

P-IV Indian Monuments and Antiquities 75 Marks
Practical-II Practical Training and Report Writing and Via-Voce 50 Marks

Total 400 Marks

SEMESTER-I

P-I Introduction to Archaeology Term-end: 60
Internal : 15

Unit-I A) Definition, aim and scope of Archaeology,
B) Different kinds Archaeology.

Unit-II A) Relation of Archaeology with other disciplines.
B) History of Indian Archaeology.

Unit-III A) Foundation of Indological Studies - Sir William Jones and Asiatic Society.
B) Alexander Cunningham, Robert Bruce Foot, Sir John Marshall and Sir Mortimer Wheeler.

Unit-IV A) Methods of Archaeological Exploration - Determination of Archaeological data and types and sites, site survey methods (manual and scientific)
B) Methods of Archaeological Excavation - Horizontal and Vertical.

Unit-V A) Stratigraphy and Recording
B) Methods of Dating - Relative method, scientific method (Radiocarbon, Thermoluminescence, Potassium Argon and Dendrochronology)

Books Recommended:

1. Field Archaeology: R.J.C. Atkinson.
2. New Era of Indian Archaeology: K.M. Srivastav
3. Principles and Methods of Archaeology: K.V. Raman
4. Archaeology Principles and Methods: K. Rajan
5. Archaeology from the Earth: Sir Mortimer Wheeler.

SEMESTER-II

P-II Archaeology in India

**Term-end: 60
Internal : 15**

Unit-I A) Palaeolithic culture with reference to Madras Industry.
B) Mesolithic Culture in India

Unit-II A) Neolithic Culture of India with reference to Buzzaham (Kashmir)
B) Chalcolithic Culture (Navadatoli)

Unit-III A) Harappan Culture (Kalibangan)
B) Painted Grey ware culture.

Unit-IV Early Historic Sites
A) Attranjikhhera, Sisupalgarh,
B) Asurgarh - Narla, Jaugad

Unit-V A) Nature and Classification of South Indian - Megalithic.
B) Pottery classification.

Book Recommended:

1. Archaeology of India: D.P. Agrawal
2. The Rise of Civilization in India and Pakistan: B. Allchin and F.R. Allchin

3. What Happened in History: V.G. Childe
4. Man Making Himself: V.G. Childe
5. Pre-History of India: H.D. Sankalia
6. Copper-Bronze Age in India: D.P. Agrawal
7. Pre-History and Proto-History of India: K.C. Jain

PRACTICAL-I

Practical training in the method of exploration and excavation for two weeks (one week for exploration and one week for excavation).

After practical training students are required to submit a detailed report about their training (exploration and excavation) on which viva-voce will be conducted by an external examiner.

Marks allotment: 25 marks for report and 25 marks for viva-voce.

SEMESTER-III

P-III Introduction to Museology

**Term-end: 60
Internal : 15**

Unit-I A) Definition, scope and function of museum.
B) History of Museum and kinds of Museum.

Unit-II A) Museum administration and security
B) Collection and documentation, display and exhibition

Unit-III Conservation and preservation of Museum objects:
A) Palm leaf manuscript, paper.
B) Textile, stone, metal, clay and wooden objects.

Unit-IV Museums of India
A) National Museum (New Delhi)
B) Indian Museum (Calcutta)

Unit-V A) Role of Museum in education.
B) Museum and the Festivals of India.

Books Recommended:

1. Museum Today: G. Morley
2. Modern Museum: S.J. Boxi and V.P. Dwivedi
3. Museum and Cultural Heritage of India: N.R. Banerjee

SEMESTER-IV

P-IV	Indian Monuments and Antiquities	Term-end: 60 Internal : 15
Unit-I	A) Town planning of Harappa and Mohenjodaro. B) Asokan columns, Sanchi Stupa- No.1, Rock-cut Caves of Khandagiri and Udayagiri	
Unit-II	A) Monuments of Ranipur-Jharial, Lingaraj Temple (Ekamra-Bhubaneswar) Sun-Temple (Konark)	
Unit-III	Archaeological Sites - A) Diamabad, Arikamedu. B) Maraguda, Asurgarh-Manamunda	
Unit-IV	A) Inscriptions - Asokan Edicts [R.E.-XIII, M.R.E.-II (Dhauhi and Jaugad)]. B) Hatigumpha Inscriptions, Allahabad Pillar Inscription, Terasingha Copper Plate of Tustikara.	
Unit-V	Numismatics and Art A) Punchmarked Coins, Gupta Gold Coins (Samudragupta and Chandragupta-II), Ganga Famam of Orissa. B) Indian Art:- Pre-historic Paintings - Gudahandi Idiom of Gupta Art.	

Books Recommended:

1. The Indus Civilization: A Contemporary perspective - G.L. Possehl
2. Indian Architecture, Vol-I - P. Brown
3. Archaeological Remains of Bhubaneswar - K.C. Panigrahi
4. Archaeology of Orissa, Vol-I and II - R.P. Mohapatra
5. The Coins - P.L. Gupta
6. Early and Medieval Coins and Currency System of Orissa - S. Tripathy

PRACTICAL-II

Practical training in museum for two weeks and submission of the Report. Visit to important monuments/ historical/ archaeological sites and report writing followed by Viva Voce test.

Marks allotment: 25 marks for report and 25 marks for viva-voce.

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FUNCTIONAL ENGLISH (Pass)

The total course shall be divided into four semesters and each semester shall comprise two units of 75 marks each (theory exam). There shall be two practical examinations at the end of the second and the fourth semester respectively carrying 50 marks each. Further, in each semester there shall be only one Internal Assessment Exam of 15 marks which is compulsory for all the students.

COURSE STRUCTURE

SEMESTER-I			
P-I	Speech Skills	75 Marks	3 Hours
SEMESTER-II			
P-II	Oral / Aural Communication Skills	75 Marks	3 Hours
Viva-voce-I	Viva-voce	50 Marks	
SEMESTER-III			
P-III	Writing Communication Skills	75 Marks	3 Hours
SEMESTER-IV			
P-IV	Office Communication for Business	75 Marks	3 Hours
Viva-voce-II	Viva-voce	50 Marks	
	Total	400 Marks	

DETAILED SYLLABUS**SEMESTER-I**

P-I	Speech Skills	Term end: 60 Internal : 15
	Objectives :	
	To familiarize learners with the functioning of English sounds through listening.	
	To enable learners to achieve accuracy in oral production by encouraging the use of pronunciation dictionary.	
	To enable the learners to achieve an optimum level of intelligibility and fluency in speech.	
Unit-I	Phonology of English - Phonetic symbol for consonants, vowels and diphthongs	
Unit-II	Consonant clusters	
Unit-III	The syllable, weak forms and contractions	
Unit-IV	Word-stress, sentence stress, pause and juncture.	
Unit-V	Intonation - Patterns of intonation in simple sentence types - functions of intonation.	

SEMESTER-II

- P-II** Oral/Aural Communication Skills
Objectives :
To enhance learners ability of communicating in the spoken mode with accuracy and fluency for various functions.
To enable learners to learn the register and acquire the style required for different purposes.
- Unit-I** Language and society - register and style.
Integral elements of speaking - features and subskills, linguistic and discorsal - Pronunciation variation in tone and manner, register, structure, situation, content, style, organization etc.
- Unit-II** Greetings Introduction-Leave-taking
Making requests-Granting requests-Refusing requests-Thanking
Making enquiries-Giving information-Giving directions
- Unit-III** Describing people, process, procedures, objects-narrating events.
Extending invitation-Accepting and Declining invitation
Making complaints and suggestions
- Unit-IV** Apologizing-Offering excuses
Negotiating and persuading people-Expressing dissent and caution
- Unit-V** Offering emotional support-motivating people-Expressing condolence
Warning-Expressing disapproval and displeasure
Making announcements-Public addressing

Bibliography

1. Ahuja, Pamila - How to Listen Better, Streling Publishers, New Delhi, 1990
2. Brown, G. - Listening to Spoken English, Longman, London, 1990.
3. Jones, Leo - Notions in English, Cambridge University Press, Cambridge, 1979.

SEMESTER-III

- P-III Writing Communication Skills** **Term end: 60**
Internal : 15

Objectives :

This paper seeks to enhance the learner's ability of communicating in the written mode and to familiarize them with different types of paragraph-descriptive, narrative, informative, argumentative etc.

The learners should be trained in the use of specific formats of written discourse.

- Unit-I** Integral elements of writing - Features and subskills - linguistic and discorsal - mechanics, structures, diction, idioms and phrases, figures of speech, cohesion, coherence, style, format, text-type, context and content, aesthetic functions of language etc.
- Unit-II** Paragraph writing - types, formats and structural organization of a paragraph.
Report-writing
- Unit-III** An introduction to print media - print media and communication - its purposes and forms.
Acts of news-gathering - writing news stories - sources of information
- Unit-IV** Structure and format of a news story - the concept of inverted pyramid pattern - writing the headlines - the leads - the body and conclusion - the art and skill of writing for different purposes.
- Unit-V** Transcoding information:
From dialogue to paragraph
From paragraph to dialogue
From diagram to paragraph

Bibliography -

1. Byrne, D. - Teaching writing skills, Longman, London, 1989.
2. Dean, Michale - Write IT, Cambridge University Press, 1988.
3. Frank, O'Hare - Writer's Work : A Guide to Effective Composition, Prentice Hall, New Delhi, 1976.
4. Graham, S. - Writing Craft, Prentice Hall, New Delhi, 1976.
5. Kane, T.S. - The Oxford Guide to Writing, O.U.P. Oxford, 1983.

SEMESTER-IV

- P-IV Office Communication for Business** **Term end: 60**
Internal : 15

Objectives :

To equip learners with techniques of written communication in business situations.

To expand vocabulary and develop comprehension of material related to business.

- Unit-I** Business correspondence

The format of business letters and faxes: Different types of formats, address, opening and closing, subject-heading, sub-heading, numbering etc.

Scanning letters and faxes for specific information,

- Unit-II** Acquiring a familiarity with abbreviations and phrases commonly used in business correspondence.
- Unit-III** Writing letters of application with curriculum vitae/resume, letters of invitation/reply to invitation, enquiry, reference, arrangements, announcing for the coming events, products, visits,
- Unit-IV** Complaints and replies to complaints, apologies, thanks. Writing office memos and notes on business meetings. Writing notices, agendas, resolutions, minutes for business meeting, preparing notes for a meeting.
- Unit-V** Business reports - independent reading of reports from business and finance papers - reports on company performance, market surveys, project reports, reports of achievements in the world of business by well-known businessmen, personalities - comparative progress of various enterprises etc.

Bibliography

1. Land, Geoffrcy - Business Reading, Longman, London, 1987.
2. Jasmin, S. and S. Bright - Business Letter Writing, Universal, New Delhi, 1984.
3. Stauton, F.L. and Wood - Longman Commercial Communication, Longman, London, 1989.

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ELECTIVE COURSES

Archaeology & Museology (Elective)

There shall be Elective B1 and B2 papers. Each paper carries 100 marks(80 marks Term-end Exam & 20 marks Internal Assessment Exam.) and of 3 hours duration. There shall be ten long questions comprising two for each unit out of which five are to be answered, questions carrying equal marks.

	<u>Pass</u>	<u>Hons</u>
B1	Semester-V	Semester-III
B2	Semester-VI	Semester-IV

ELECTIVE-B1

Paper-I (B1) Introduction to Archaeology with special reference to India 80+20 Marks

- Unit-I**
1. Definition, aim and scope of Archaeology: Its relation with other disciplines
 2. History of Archaeology in India upto the independence: Sir William Jones, Alexander Cunningham, Sir John Marshall and M.M. Wheeler.
- Unit-II**
1. Methods of Archaeological Exploration
 2. Methods of Archaeological Excavation (vertical and horizontal)
- Unit-III**
1. Stratigraphy and Recording
 2. Methods of dating (relative and absolute)
- Unit-IV**
1. Palaeolithic, Mesolithic and Neolithic culture in India
 2. Harappa and Mohenjodaro (material culture)
- Unit-V**
1. Chalcolithic culture (Navadatoli)
 2. Early Historic Sites: Sisupalgarh and Asurgarh - Narla

Books Recommended:

1. New Era of Indian Archaeology - K.M. Srivastav
2. Archaeology of India - D.P. Agrawal
3. The rise of civilization in India and Pakistan - B.R. Allchin and F.R. Allchin
4. Pre-History of India - H.D. Sankalia
5. The Pre and Proto-History of India - K.C. Jain
6. Archaeology: Principles and Method - K. Rajan
7. The Indus Civilization: A Contemporary Perspective - G.L. Possehl

ELECTIVE-B2**Paper-II(B2) Introduction to Museology and Indian Art and Architecture
80+20 Marks**

- Unit-I** 1. Definition, aim and scope of Museology
2. Museum as a centre of cultural studies and history of museum movement in India.
- Unit-II** 1. Different kinds of museum: Archaeological, industrial and natural.
2. Methods of acquisition of museum objects: registration, cataloguing, indexing and exhibition.
- Unit-III** 1. Preservation of museum objects: Palm leaf manuscript, paper, textile, stone, metal, clay and wooden objects.
2. Indian Coins: Punch Marked Coin, Gupta Gold Coin (Samudragupta and Chandragupta-II)
- Unit-IV** Indian Inscriptions: Asokan Edicts (M.R.E.-II Dhauli and Jaugad), Hatigumpha Inscription, Allahabad Pillar Inscription.
Monuments: Sanchi Stupa, Rock-Cut Caves of Khandagiri and Udayagiri.
- Unit-V** Ajanta Cave, Sun-Temple (Konark)
Monuments of Western Orissa: Ranipur Jharial and Belkhandi.

Books Recommended:

1. Fundamentals of Museology - M.L. Nigam
2. Museum and Cultural Heritage of India - N.R. Banerjee
3. Indian Architecture, Vol-I - P. Brown
4. Archaeology of Orissa (vol-I & II) - R.P. Mohapatra
5. The Coins - P.L. Gupta
6. Orissa Historical Research Journal (special volume, 1982) - Orissa State Museum.

EDUCATION

There shall be two papers. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 10 (long and short) questions in each paper selecting two questions from each unit. Out of which 05 questions are to be answered; questions shall carry equal marks.

	Pass	Hons
B1	Semester-V	Semester-III
B2	Semester-VI	Semester-IV

Paper - I (Elective B1) PRINCIPLES OF EDUCATION 80+20 Marks**Unit - I**

- (i) Education - its meaning and definitions.
- (ii) Aims of Education.
- (iii) Functions of Education

Unit - II

- (i) Agencies of Education - Formal and In-formal, Active and Passive.
- (ii) School and Home as agencies of Education
- (iii) Value Education - meaning, Needs of Value education, Curriculum and Value education.

Unit - III

- (i) Constitutional Provisions for education
- (ii) Universalisation of Primary Education.
- (iii) Education of the deprived groups (SC,ST and Women)
- (iv) National Policy on Education, 1986

Unit - IV**Educational Thoughts of:**

- (i) Mahatma Gandhi
- (ii) Rabindra Nath Tagore,
- (iii) Rousseau,
- (iv) John Dewey

Unit - V

- (i) Education and Society
- (ii) Education as an instrument of Social Change and Social Control.
- (iii) Role of Education in promotion of National Integration and International Understanding.

Suggested readings:

1. Agrawal, JC. Philosophical and Sociological Perspectives on Education. Delhi: Shipra Publication.
2. Agrawal, JC. Theory and Principles of Education. New Delhi: Vikas.
3. Brubacher, JS. Modern Philosophies of Education. New Delhi: Tata McGraw Hill.
4. Chaube, SP. & Chaube, A. Philosophical and Sociological Foundations of Education. Agra: Vinod Pustak Mandir.

5. Dash BN. Principles of Education and Education in the Emerging Indian society. Ajanta Prakashan.
6. Mohanty, J. Foundations of Education. Cuttack: Takshashila.
7. Nayak, BK. A Textbook on Foundations of Education. Cuttack: Kitab Mahal.
8. Nayak, BK. Education in Emerging Indian Society. Berhampur: Taratarini Pustakalaya.
9. Taneja, VR. Educational Thought and Practice. New Delhi: Sterling.

Paper - II (Elective B2) LEARNER AND LEARNING PROCESS 80+20 Marks

Unit - I

- (i) Educational Psychology : Meaning, Nature and Scope
- (ii) How does Educational Psychology help the teacher ?

Unit - II

- (i) Human Growth and Development.
- (ii) Principles of Growth and Development.
- (iii) Stages of Development : Infancy, Childhood & Adolescence.
- (iv) Physical, Mental, Social and Emotional Development during infancy, Childhood and Adolescence.

Unit - III

- (i) Learning : Meaning, Nature and characteristics
- (ii) Early theories of Learning : Trial and Error, conditioning and Insightful theory of learning.
- (iii) Laws of Learning

Unit - IV

- (i) Intelligence : Meaning, Nature and its Measurement.
- (ii) Creativity : Meaning, Stages of Creativity, Role of the teacher in promoting creativity among learners.

Unit - V

- (i) Evaluation of learning outcomes,
Concept of measurement and evaluation,
Defects in the present system of examination
Continuous and comprehensive Evaluation.
- (ii) Elementary educational Statistics : Mean, Median and Mode
Their computation and use.

Suggested Readings:

1. Agrawal, JC. Essentials of Educational Psychology. New Delhi: Vikas.
2. Chaube, SP. Educational Psychology. Agra: LN Agrawal.

3. Dash, BN. A Textbook of Educational Psychology. New Delhi: Dominant.
4. Dash, M. Advanced Educational Psychology. Cuttack: Satyanarayan Book Store.
5. Garrett, HE. Statistics in Psychology and Education. Mumbai: VF&S.
6. Kundu, CL. & Tutoo, BN. Educational Psychology. New Delhi: Sterling.
7. Mangal, SK. Advanced Educational Psychology. New Delhi: Printice Hall of India.
8. Mathur, SS. Educational Psychology. Agra: Vinod Pustak Mandir.
9. Mohanty, MS. Educational Psychology and Statistics. Sambalpur: Sri Durga Pustak Bhandar.
10. Rath, RK. Fundamentals of Educational Psychology. Berhampur: Taratarini Pustakalaya.
11. Rath, RK. Fundamentals of Educational Statistics and Measurement. Berhampur: Taratarini Pustakalaya.

INDIAN ECONOMY

There shall be two papers. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 10 (long and short) questions in each paper selecting two questions from each unit. Out of which 05 questions are to be answered; questions shall carry equal marks.

Pass-A1(Semester-II)
Pass-A2(Semester-IV)

Hons-A1(Semester-I)
Hons-A2(Semester-II)

Paper - I (Elective A1) 80+20 marks

Unit-I

Basic features of Indian Economy (Under development, sectoral dualism, market structure, market rigidities.

Unit-II

Problems of Indian Population and Population Policy.

Unit-III

Problems of Indian Agriculture Productivity, Land asset ownership & distribution Policy, land reforms, Marketing, Pricing etc.

Unit-IV

Unemployment in India : Problems and Policies, Poverty and Inequality in India, Poverty Eradication Measures.

Unit-V

Inflation : Instability of Indian Economy, Price Trends, Policy for Stabilization.

Books Recommended :

- 1) Indian Economics : Alok Ghosh
- 2) Indian Economics : Ruddar & Datta
- 3) Indian Economics : Mishra & Puri
- 4) Indian Economics : I.C.Dhingra
- 5) Indian Economics : Uma Kapila
- 6) Indian Economics : P.K.Dhar
- 7) Indian Economics : Pramit Choudhury

Paper - II (Elective A2) 80+20 marks

Unit-I

Indian Money Market & Capital Market,
Indian Banking :- Commercial Banking - Its role -Changing features, Reserve Bank of India - Its functions.

Unit-II

Problems of Indian's Foreign Trade : Features composition, direction, Export promotion vs. Import substitution, Recent Eximpolicy, New Economics Reforms after 90's.

Unit-III

Indian Financial & Fiscal Aspect : Indian Fiscal Policy, Centre State Financial Relation, Finance Commission and Planning Commission, Fiscal Policy in India - Changing role of Government in the late nineties.

Unit-IV

Problems and credit & marketing : Institutional vs. non institutional credit, Cooperative Movement, Causes of its Slow Progress & Measures to remove the difficulties. Rural indebtedness - Causes and remedies.

Unit-V

Planning in India : Objectives, strategy, Board achievements and failures, Current Five year plan - Objectives and Strategy.

Books Recommended :

1. Indian Economics : Alok Ghosh
2. Indian Economics : Ruddar & Datta
3. Indian Economics : Mishra & Puri
4. Indian Economics : I.C.Dhingra
5. Indian Economics : Uma Kapila
6. Indian Economics : P.K.Dhar
7. Indian Economics : Pramit Choudhury

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INDIAN GEOGRAPHY

There shall be two papers. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and the end term Examination is of 03 hours duration. There shall be 10 (long and short) questions in each paper selecting two questions from each unit. Out of which 05 questions are to be answered; questions shall carry equal marks.

Pass-A1(Semester-II)

Hons-A1(Semester-I)

Pass-A2(Semester-IV)

Hons-A2(Semester-II)

Paper - I (Elective A1)

80+20 marks

UNIT - I : Introducing India

- India as a Geographical Unit
- India's Relations in Space: India and the Oriental World; Our Neighbours and the Frontiers; Strategic Significance of India
- India - the Land of Diversities; Unity in Diversity; the Land of Potentialities
- India's Political Divisions

UNIT - II : Morphology of India

- Geology: Evolution of Surface features; Geological Regions of India
- Physiography of India; Relief Features - The Himalayan System, The Northern Plains, The Peninsular Plateau, The Coastal Plains, The Islands
- Drainage systems of India: The Himalayan River Systems; The Peninsular Drainage; Inland Drainage

UNIT - III : Climatic Contrasts in India

- Factors Influencing the Climate of India; Pattern of Temperature and Rainfall
- The Seasons : Winter, Summer, Rainy and Cool seasons
- The Monsoon winds; The Monsoonal Unity of India
- Tropical Cyclones in India; Genesis and Structure ; Characteristics
- Climatic Regions of India : Stamp's Classification & R.L. Singh's Classification

UNIT - IV : India's Environment and Ecology

- Natural Vegetation: Classification and Distribution of Vegetation types; Wildlife
- Problems of Indian Forestry; Forest Conservation; Preservation of Wildlife
- Soil types of India : their distribution and characteristics; Soil Erosion and soil conservation
- Natural Regions of India

UNIT - V : Natural Hazards and Disasters in India

- Hazards and Disasters: Their types and vulnerability
- Earthquakes and Tsunamies: Their occurrence in India and Vulnerability; Management and Mitigation
- Droughts in India: Causes and Effects; Areas of vulnerability; Draught Management
- Floods in India: Causes and Effects; Flood Prone Areas; Flood Disaster Management
- Cyclone related Hazards and their Mitigation Strategies

References:

1. Khuller, D.R.: (2006), India - A Comprehensive Geography, Kalyani Publishers,
2. Siddhartha, K.: (2001), India - Physical Aspects, Kishalaya Publications, new Delhi
3. Raza, Moonis & A. Ahmed: (1977), General Geography of India, NCERT
4. Sharma, T.C.: (2001), Economic and Commercial Geography of India, Vikas Pub.

PAPER - II (Elective A2)

INDIAN GEOGRAPHY - HUMAN AND ECONOMIC ASPECTS

UNIT - I : Population

- Peopling of India and Ethnic Diversities; Indian Tribes, their types, Characteristics and Spatial Distribution; Caste Groups, their types and Distribution Pattern
- Distribution and Density of India's Population
- Population Composition: Religious composition; Age and Sex Structure; Language Groups; Work Force and Occupational Structure; Rural and Urban
- Trends of Population Growth in India; Causes and Associated Problems

UNIT - II : Settlements

- Rural Settlements: Types and Patterns; Classification of Villages; House Types
- Urban Settlements: Types and Patterns; Classification of Cities and Towns; Trends of Urbanisation; Metropolises in India; Problems of Urbanisation in India
- Rural - Urban Continuum; Rural - Urban Fringe; Rural - Urban Migration and its effect on Cities

UNIT - III : Irrigation and Agriculture

- Irrigation: India's Water Resources; Need for Irrigation; Irrigation Potential; Growth and Utilisation Pattern; Sources of Irrigation - Canals, Tank, Wells and Tube Wells

- Multipurpose River Valley Projects; Bhakra Nangal, The Damodar Valley, Hirakud, The Kosi, The Tungabhadra, The Nagarjun Sagar, Sardar Sarovar, The Chambal Valley, The Tehri Dam
- Agriculture : Salient features of Indian Agriculture; Types of Farming: Crop Combination Patterns; Green Revolution in India; Problems of Indian Agriculture; Agricultural Regions in India
- Major Crops, their Spatial Distribution and Conditions for cropping: Rice, Wheat, Sugarcane, Cotton, Tea

UNIT - IV : Mineral Resources and Manufacturing Industries

- Mineral Resources and their spatial distribution: Iron Ore, Bauxite, Mica, Manganese, Lime Stone
- Power Resources and their spatial distribution: Coal, Petroleum, Atomic Minerals; Production of Energy in India - Hydel, Thermal, Atomic, Non-Conventional
- Industries: Agro-based - Textiles, Sugar; Mineral based- Iron and Steel, Aluminium, Cement; Forest Based - Paper; Chemical - Petro-Chemicals, Fertiliser
- Factors of Industrial Location; Industrial Clusters in India

UNIT - V : Regional Development

- Transport Systems and Development: The Railway Network; Roads - National Highways and the Golden Quadrilateral; Development of Airways and Waterways
- Planning Regions in India; Agro-Climatic Planning and Planning Regions
- Multi-Level Planning in India
- The Damodar Valley Corporation - A Development Project

References:

1. Khuller, D.R.: (2006), India - A Comprehensive Geography, Kalyani Publishers,
2. Quereshi, M.H.: (1996), India - Resources and Regional Development, NCERT
3. Raza, Moonis & A. Ahmed: (1990), General Geography of India, NCERT
4. Sharma, T.C.: (2001), Economic and Commercial Geography of India, Vikas Pub.

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INDIAN POLITY

There shall be two papers. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 10 (long and short) questions in each paper selecting two questions from each unit. Out of which 05 questions are to be answered; questions shall carry equal marks.

	Pass-B1(Semester-V)	Hons -B1(Semester-III)
	Pass-B2(Semester-VI)	Hons -B2(Semester-IV)
Paper-I (B1)		80+20 Marks
		3 Hours
Unit-I		
	1. Growth of Indian Nationalism	
	2. Freedom Movement in India	
Unit-II		
	1. Non-cooperation Movement.	
	2. Civil Disobedience Movement.	
Unit-III		
	1. Quit India Movement.	
	2. Cabinet Mission	
Unit-IV		
	1. Partition of India	
	2. Role of Gandhiji in Freedom Struggle	
Unit-V		
	1. Indian Independence Act	
	2. Constituent Assembly - Framing of the Constitution of India	
	3. High lights of the Constitution of India	

Books Recommended:

- G.N.Singh - Lord Marks in National and Constitutional Development in India
 Bipin chandra - India's Struggle for Independence
 A.Seal - Emergence of Indian Nationalities
 Gravile Austine - Indian Constitution - Corner stone of a Nation.
 P.B.Gajendra Gradkar - The constitution of India : Its Philosophy and Basic Postulates.
 D.C.Gupta - Indian Government and Politics.
 Charles Bothlehein - India Independent

Paper-II(B2)

80+20 Marks

3 Hours

Unit-I

1. Fundamental Rights and Directive Principle of State Policy.
2. Federalism - Centre State Relations, issues of Centralisation and Decentralisation.

Unit-II

1. President, Cabinet and Prime Minister.
2. Parliament - Lok Sabha and Rajya Sabha (Their composition, functions and inter relationship), Opposition in Parliament.

Unit-III

1. Supreme Court - Composition functions judicial Review and judicial independence
2. Planning Commission - Composition and Role

Unit-IV

1. State Government - Governor, Chief Minister, Council of Ministers.
2. State Legislative with special reference to the Orissa Legislative Assembly

Unit-V

1. High Court.
2. Local Self Governments (Rural and Urban)
3. National Integration - Problems and Prospects.

Books Recommended:

Rajani Kothari - Politics in India
 K.R.Bombwal - National Power and State Autonomy
 Ajit Roy - Political Power in India
 Austin Granvile - Indian Constitution - Corner-stone of a Nation
 P.B.Gajendra Gadkar - The Constitution of India : Its Philosophy and basic postulates
 D.C.Gupta - Indian Government and Politics.

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LAND MARKS IN INDIAN HISTORY

The Elective course in Land Marks in Indian History shall comprise two papers Elective A1 and Elective-A2. Each paper shall carry 100 marks (80 Marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 10 (long and short) questions in each paper selecting two questions from each unit out of which 05 questions are to be answered; questions shall carry equal marks.

Pass-A1(Semester-II)

Hons-A1(Semester-I)

Pass-A2(Semester-IV)

Hons-A2(Semester-II)

Paper-I (Elective A1)**LAND MARKS IN INDIAN HISTORY (Early time to 1526 AD)**

Term end: 80

Internal : 20

Unit-I

1. Harappan Culture - Urbanisation
2. Vedic Culture - Society and Religion

Unit-II

1. Religious Reform Movements - Buddhism and Jainism
2. Dhamma of Asoka - Its Meaning, Principles & Spread

Unit-III

1. Kushanas - Kanishka-I - Achievements
2. Gupta Art - Sculpture and Paintings

Unit-IV

1. Harshavardhana - Conquests and Religion
2. Advent of Islam - Arab Invasion of Sind - Causes and Results

Unit-V

1. Ala-ud-Din Khilji - Market Regulation
2. Bhakti Movement - Kabir, Nanak and Chaitanya (their life and teachings)

Books Recommended

1. P. Maiti - Ancient India
2. R.C. Majumdar - Ancient India
3. N.N. Ghosh - Early History of India
4. P. Maiti and P.K. Saha - Medieval India
5. K.L. Khurana - Medieval India

Paper-II (Elective A2)**LAND MARKS IN INDIAN HISTORY (from 1526AD to 1947AD)**

Term end: 80

Internal : 20

Unit-I

1. Babur and Foundation of Mughal Empire
2. Akbar - Rajput and Religious Policy

Unit-II

1. Aurangzeb - His responsibility for the downfall of Mughal Empire
2. Shivaji - His Administration

Unit-III

1. Rise of British Power in India - Battle of Plassey and Battle of Buxar
2. Consolidation of British Empire - Doctrine of Lapse of Dalhousie

Unit-IV

1. The Great Revolt of 1857 - Causes and Results
2. Socio-Religious Awakening - Brahma Samaj and Arya Samaj

Unit-V

1. Indian National Congress - Its Birth, Aims
2. Role of Gandhi in Freedom Movement - Non-cooperation, Civil Disobedience and Quit India Movements.

Books Recommended

1. A.L. Srivastav - Delhi Sultanate
2. R.S. Sharma - Rise and Fall of Mughal Empire
3. K.L. Khurana - The Mughal Empire
4. S.C. Raychaudhury - History of Modern India
5. P. Sitaramaya - History of the Indian National Congress
6. B.R. Grover - Modern India.

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MATHEMATICS

(Students having Mathematics at the +2 stage are only eligible to take major elective)
There shall be two papers. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration. There shall be 10 (long and short) questions in each paper selecting two questions from each unit. Out of which 05 questions are to be answered; questions should carry equal marks.

	Pass-A1(Semester-II)	Hons-A1(Semester-I)
	Pass-A2(Semester-IV)	Hons-A2(Semester-II)
Paper - I (Elective A1)		80+20 Marks
Unit -I Differential Calculus		20 marks
		Partial Differentiation, Maxima, Minima, Singularities, Tracing of curve, curvature
Unit - II Integral Calculus		20 marks
		Definite integral, Area, Length, Volume, solid of revolution.
Unit - III Differential equations		20 marks
		Solution of equations of first and second order, higher degree, linear equations with constant coefficient.
Unit IV Probability		20 marks
		Elementary concept of probability distribution, distribution function, finding the expectation, variance, standard deviation with special emphasis on Binomial, Poisson and Normal Distribution.
Unit - V Statistical Methods		20 marks
		Collection and Representation of Data, frequency distribution, measures of central tendency, measures of dispersions, co-relation and regression analysis, index number, time series analysis.

Books Prescribed:

1. Text Book of Differential Calculus by Gorakh Prasad, Pothisala Pvt. Ltd., Allahabad.
2. Text Book of integral Calculus by Gorakh Prasad, Pothisala Pvt.Ltd., Allahabad.
3. Elements of Probability Theory by D.Pratihari, & S.P. Mohanty, Kalyani Publishers, New Delhi.
4. Introduction to Numerical and Statistical Methods By P.Mukharjee & K.Chatterjee, Somnath Prakashan, Calcutta.
5. Elements of Ordinary Differential Equations by J.Sinha Roy & S.Padhi, Kalyani Publishers, New Delhi, Ch-2, 3, 4.

Paper - II (Elective A2)

80+20 Marks

Unit - I Algebra

20 marks

Group Theory: Definition of a Group, Some examples of Group, Sub-Groups and normal sub-groups, Homomorphism, Ring Theory: Definition and examples of Ring, some special Classes of rings, Homomorphism,

Unit - II Linear algebra

20 marks

Solution of linear equation, Homogeneous and Non - Homogeneous equation by Gauss Method, Matrix, Orthogonality, rank, eigen value.

Unit - III Numerical Methods

20 marks

Approximation of numbers and errors, finite differences, interpolation, numerical integration, solution of systems of linear equations.

Unit - IV Operation Research

20 marks

Solution of linear Programming problem by graphical and simplex method.

Unit V Mathematical Method

20 marks

Laplace Transform, Fourier Transforms.

Books Prescribed

1. Topic in Algebra by I.N. Herstein, Vikash Publ. Pvt.Ltd. Chapter - 2 (2.1 - 2.4, 2.6, 2.7) chapter - 3 (3.1 - 3.3)
2. Programming in FORTRAN 77 by V.Rajaraman, PHI, New Delhi.
3. Introduction to Numerical & Statistical Methods by P.Mukharjee & K.Chatterjee, Somnath Prakashan, Calcutta, Chapter - 1,2,3,5,7
4. B.S.Goel & S.K.Mittal, Pragati Prakashini, Meerut.
5. Advanced Engineering Mathematics by E.Krey & Zig, Wilet Eastern Ltd., N.D.
6. Advanced Engineering Mathematics by B.S.Grewal Khanna Publisher, N.D.

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SANSKRIT

There shall be two papers. Each paper shall carry 100 marks (80 marks of Term-end Examination and 20 marks Internal Assessment Examination) and is of 03 hours duration.

Pass-B1(Semester-V)

Hons -B1(Semester-III)

Pass-B2(Semester-VI)

Hons -B2(Semester-IV)

Paper-I (Elective B1)

80+20 Marks

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|-----------------|---|----------------------|
| i) | History of Classical Sanskrit Literature : (Unit-I, II, III, IV)
(Epics, Mahakavyas, Lyrics, Prose, Drama, Champu,
Fables and Fairy Tales) | 60 Marks |
| ii) | History of Vedic Literature : (Unit-V)
(Samhitas, Brahmanas, Aranyakas, Upanishads & Vedangas) | 20 Marks |
| Unit-I | (Ramayana and Mahabharata)
Essay Type Question (One) | 15 Marks |
| Unit-II | (Mahakavyas and Lyrics)
a) Essay Type Question (One) OR
Short Type Questions (Three) | 15 Marks |
| Unit-III | (Drama and Prose)
Essay Type Question (One) OR
Short Type Questions (Three) | 15 Marks |
| Unit-IV | (Champu, Fables and Fairy Tales)
Short Notes (Three) | 15 Marks |
| Unit-V | a) (Samhitas, Brahmanas)
Essay type question (One) OR Short type questions (Three)
b) (Aranyakas, Upanishads and Vedangas)
Essay type question (One) OR Short type questions (Three) | 10 Marks
10 Marks |

Books Recommended :

- 1) History of Sanskrit Literature : H.R.Agrawal
- 2) History of Sanskrit Literature : Wintermitz
- 3) Sanskruta Sahityara Itihas : G.N.Mahapatra
- 4) Sanskrit Sahitya Ka Itihas : B.Upadhyaya
- 5) Sanskruta Sahityara Itihas : H.K.Satpathy
- 6) Vaidik Sahitya Aur Sanskriti : B.Upadhyaya
- 7) Vaidika Sahitya O Sanskriti : A.C.Dash

Paper-II (Elective B2)		80+20 Marks
i)	Kavya : (Unit-I) Meghaduta (Purva Megha) of Kalidasa	30 Marks
ii)	Katha Sahitya : (Unit-II) Hitopadesha (Mitralabha)-First three stories.	15 Marks
iii)	Darshana Kavya : (Unit-III) Srimad Bhagavad Gita (15th Adhyaya), Purushottam Yoga	15 Marks
iv)	Grammar : (Unit-IV) (General Ideas of Karaka, Samasa, Prakriti Pratyaya)	10 Marks
v)	Essay or Expansion of Ideas in Sanskrit : (Unit-V)	10 Marks
Unit-I	a) Essay Type Question (One)	12 Marks
	b) Explanation of Sloka (One)	08 Marks
	c) Translation of Slokas (One)	04 Marks
	d) Short Notes (Two)	06 Marks
Unit-II	a) Essay Type Question (One)	09 Marks
	b) Short Type Questions (Two)	06 Marks
Unit-III	a) Essay Type Question (One)	09 Marks
	b) Explanation of Sloka (One)	06 Marks
Unit-IV	a) Karaka (Two)	03 Marks
	b) Samasa (Two)	04 Marks
	c) Prakriti-Pratyaya (Three)	03 Marks
Unit-V	Essay or Expansion of Ideas in Sanskrit (One)	10 Marks

Books Recommended :

- 1) Meghadutam : Ed. M.R.Kale, Motilal Banarsidass, Delhi
- 2) Meghadutam : Ed. G.Mahapatra
- 3) Hitopadesha : Chowkhamba Publication, Varanasi
- 4) Hitopadesha : Nirnaya Sagar Press, Bombay
- 5) Srimad Bhagavad Gita : Gita Press, Gorakhpur
- 6) Srimad Bhagavad Gita : Ed. N.Pati & S.Das, Vidyapuri, Cuttack
- 7) Srimad Bhagavad Gita : Ed. G.N.Mahapatra, Nalanda, Cuttack
- 8) Sanskruta Prabandha Ratnakara : G.N.Mahapatra
- 9) Sanskrita Nibandha Satakam : K.D.Dwivedi
- 10) Sanskrita Vyakarana Mayukha
- 11) Vyakarana Sangraha

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