



**COUNCIL OF
HIGHER SECONDARY EDUCATION
ODISHA, BHUBANESWAR**

**COURSES OF STUDIES
IN
ARTS STREAM**

**FOR THE
HIGHER SECONDARY EXAMINATION
2014 AD**

Rs. 20.00

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SCHEME OF STUDIES

The following combinations in Arts Stream are allowed. Any deviation of this will not be entertained.

Compulsory Subjects

Compulsory subjects English and M.I.L. carry 200 marks each

(100 Marks in 1st year and 100 marks in 2nd year)

M.I.L. (Oriya / Telugu/ Bengali/ Urdu & Persian/ Hindi/ Sanskrit/Alternative English)

Environmental Education

The Environmental Education will be assessed at the college level for 100 marks (70 marks for theory and 30 marks for project work) at the end of 1st year +2 course and the grades (A+, A, B, C, D, in order of merit) are to be awarded by the College and the same shall be recorded in the body of the pass certificate given by the council subsequently. The grade secured in the Environmental Education (EE) will not affect the result of the candidate.

Marks	Grade
70% and above	Gr A+
60% to 69%	Gr A
50% to 59%	Gr B
35% to 49%	Gr C
Below 35%	Gr D

Elective Subjects

Each elective subject carries 200 marks

(100 marks in 1st year and 100 marks in 2nd year)

Group :

1. Political Science
2. History
3. Economics/IRPM
4. Logic/Geography
5. Mathematics/Home Science
6. Education/Psychology/Indian Music
7. Anthropology/Sociology/Statistics
8. Oriya/Sanskrit/Persian/Hindi/Urdu/Bengali/Telugu.
9. Information Technology.

**INTRODUCTION TO NEW COURSE STRUCTURE &
DISTRIBUTION OF MARKS IN SUBJECT, WITHOUT PRACTICALS**

With the introduction of the New Course structure from the academic session 2008-09 basically to de-stress the students joining +2 courses under the CHSE, Orissa, there will be yearly examinations at the end of 1st year and 2nd year classes. 1st year and 2nd year courses have been separated accordingly. The 1st Year examination will be conducted at the college / H.S. School level for 100 marks in each subject and the 2nd year examination will be conducted at the Council level for 100 marks in each subject. Marks secured in the 1st year examination shall be considered only for promotion of students to the 2nd year class and will have no bearing on the terminal examination, conducted by the Council at the end of the 2nd year.

Pass certificates will be awarded to successful candidates basing on the performance in the Council examination at the end of the 2nd year only.

Restriction on selection of elective subjects is a new feature in the present course structure. Each student has to read four elective subjects in addition to the compulsory subjects i.e. English, M.I.L. and Environmental Education.

The Distribution of marks for subjects without practicals will be as follows :

(Total Marks-100)

Group A (Objective type - Compulsory)

Q.1 Multiple choice 1 mark each x 15 =15 marks
(from all units)

Q.2 One word answer /
Very short answer/
correct the sentence /
filling up the blanks 1 mark each x 15 =15 marks

Group B (Short type Answer)

Q.3 Answer within Two/three 2 mark each x 11 =22 marks
sentences
(out of 14 bits, one has to
answer 11 bits)

Q4. Answer within six sentences 3 mark each x 6 =18 marks
(Out of eight bits, one
has to answer six bits)

Group C (Long answer type)

Q5. Out of six Questions from 7.5 mark each x 4 = 30 marks
to Q10. all units, one has to
answer 4 questions

**DISTRIBUTION OF MARKS IN SUBJECT WITH PRACTICAL
FOR A.H.S EXAMINATION-2013 & ONWARDS.**

Total Marks-100

Theory - 70 Marks

Practical- 30 Marks

Theory:

Group-A Objective Type Compulsory

Q.1 Multiple choice (from all units) 1 mark each x 10 =10 marks

Q.2 One word answer / Very short answer/ Correct the sentence / Fill up the blanks 1 mark each x 10 =10 marks

Group B (Short type Answer)

Q.3 Answer within Two/three sentences (out of 12 bits, one has to answer 10 bits) 2 mark each x 10 =20 marks

Q.4. Answer within six sentences (Out of five bits, one has to answer three bits) 3 mark each x 3 =09 marks

Group C (Long Type Answer)

Q5. to Q10. Out of six Questions from all units one has to answer 3 questions

7 mark each x 3 =21 marks



Syllabus for Higher Secondary Education in

ENGLISH

(for ARTS, SCIENCE, and COMMERCE)

Higher Secondary education for a large number of students is a preparation for the University, where a fairly high degree of proficiency in English language and literature is necessary. For another large and significant group, the higher secondary education is a preparation for entry into professional education. This Course, therefore, is designed to cater to both the groups by promoting higher skills of thinking as well as language skills required for academic study and for the workplace. In this sense, this syllabus is learner-centred or need-centred.

It is expected that students have acquired the basic language skills in English by the time they come to the First Year of the +2 class. It is necessary that by the end of +2 they should be equipped with adequate linguistic competence to comprehend and appreciate texts, and express themselves in clear and grammatical English using appropriate punctuation and cohesive devices. The aim of this syllabus, therefore, is to hone all the language skills (L-S-R-W) of the students.

Instructional Materials consist of 4 textbooks : (a) Invitation to English-I (New Edition), which includes non fictional prose pieces and poems, for intensive study (b) Invitation to English-II (New Edition), which includes genres like short fiction, one-act play and biography/autobiography for extensive study, (c) Invitation to English -3, a Work Book for developing writing skills, and (d) Invitation to English -4, a Work Book for grammatical exercises.

The present syllabus envisages a lot of teacher-pupil interaction. While dealing with texts for both intensive and extensive study, teachers should encourage group activity in the classroom for 'Pre-reading', 'While-reading', and 'Post-reading activities'. They should be careful not to put any question to an individual student but to a group of 3 - 4 students encouraging one of them to give the answer with the feedback he/she gets from the group so that none of the students shall feel diffident to interact. As Invitation to English -3 and Invitation to English -4 are Work Books, they should be worked out in the class-room.

The Scheme of Evaluation, at the end of the syllabus, specifies the allocation of marks for each skill. It should be noted that texts prescribed for detailed as well as non-detailed study have been allotted only 60 marks out of total 200. It would be appropriate, therefore, to devote the bulk of classroom time to Invitation to English -3, and Invitation to English -4,

**INSTRUCTIONAL MATERIALS FOR THE HIGHER SECONDARY CLASSES
(ARTS/SCIENCE/COMMERCE)**

1. For Intensive Reading: An anthology of non-fictional prose pieces and poems

Book prescribed: Invitation to English-I (New Edition, 2012)

Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

Pieces to be studied in the 1st year

A. Prose:

- | | |
|--|------------------------|
| i. Standing Up for Yourself | Yevgeny Yevtushenko |
| ii. The Legend behind a Legend | Hariharan Balakrishnan |
| iii. The Golden Touch | Nathaniel Hawthorne |
| iv. In London In Minus Fours | Louis Fischer |
| v. The Cancer Fight, from Hiroshima to Houston | Ritsuko Komaki |

B. Poems:

- | | |
|---|--------------------|
| i. Stopping by Woods on a Snowy Evening | Robert Frost |
| ii. Oft, in the Stilly Night | Thomas Moore |
| iii. The Inchcape Rock | Robert Southey |
| iv. To My True Friend | Elizabeth Pinard |
| v. Fishing | Gopa Ranjan Mishra |

Pieces to be studied in the 2nd year

A. Prose:

- | | |
|----------------------------------|---|
| i. My Greatest Olympic Prize | Jesse Owens |
| ii. On Examinations | Winston S. Churchill |
| iii. The Portrait of a Lady | Khushwant Singh |
| iv. The Magic of Teamwork | Sam Pitroda |
| v. Development of Polio Vaccines | Bonnie A. M. Okonek and Linda Morganstein |

B. Poems:

- | | |
|-----------------------------------|----------------------------|
| i. Daffodils | William Wordsworth |
| ii. The Ballad of Father Gilligan | William Butler Yeats |
| iii. A Psalm of Life | Henry Wadsworth Longfellow |
| iv. Television | Roald Dahl |
| v. Money Madness | D.H. Lawrence |

Arts Stream

2. For Extensive Reading:

A collection of short stories, short plays, excerpts from biographies or autobiographies for non- detailed study

Book Prescribed: Invitation to English-II (New Edition)

Published by Orissa State Bureau of Text Book Preparation and Production, Bhubaneswar

Pieces to be studies in the 1st year

- | | | |
|------|--------------------------|---------------------|
| i. | Three Questions | Leo Tolstoy |
| ii. | After Twenty Years | O. Henry |
| iii. | The Open Window | Saki |
| iv. | The One and only Houdini | Robert Lado |
| v. | Childhood | Jawaharlal Nehru |
| vi. | Marriage | Dr. Rajendra Prasad |

Pieces to be studied in the 2nd Year

- | | | |
|------|------------------------------|-----------------|
| i. | The Doctor's Word | R K Narayan |
| ii. | The Nightingale and the Rose | Oscar Wilde |
| iii. | Mystery of the Missing Cap | Manoj Das |
| iv. | The Monkey's Paw | W.W Jacobs |
| v. | My Mother | Charlie Chaplin |
| vi. | Stay Hungry. Stay Fit. | Steve Jobs |

3. Writing Skills:

A Work-Book on writing designed to provide practice in different forms of writing and develop the different skills of writing as specified in the syllabus.

Book Prescribed:

Invitation to English - 3

Published by Odisha State Bureau of Textbook Preparation and Production, Bhubaneswar.

Units to be studied in the 1st Year

- I. Writing a Paragraph
- II. Developing Ideas into Paragraphs
- III. Writing Personal Letters and Notes
- IV. Writing Applications, Official Letters and Business letters

- V. Writing Telegrams, E-mails, Personal Advertisements and Short Notices
- VI. Using Graphics

Units to be studied in the 2nd year

- VII. Interpreting Graph, Charts Tables and diagrams etc
- VIII. Reporting Events and Business Matters
- IX. Note-making and summarizing
- X. Extended Writing:
- 4. Grammar:

A Work Book of Grammar is designed to provide practice in the use of selected grammatical items, in meaningful contexts

Book prescribed:

Invitation to English - 4

Published by Odisha State Bureau of Textbook Preparation and Production, Bhubaneswar.

Units to be studied in the 1st Year

- I. Countable and Uncountable Nouns
- II. Tense Patterns
- III. Modal Verbs
- IV. Prepositions
- V. The Imperatives

Units to be studied in the 2nd year

- I. Revision of 'Tense Pattern's' and 'Modal verbs'
- II. Conditionals
- III. The Passive
- IV. Direct and Reported Speech
- V. Interrogatives
- VI. Phrasal Verbs

SCHEME OF EVALUATION

There shall be two papers in English – English Paper I and English Paper II – each carrying 100 marks. A written examination for English Paper I shall be conducted by the colleges at the end of the First Year. A written examination for English Paper II shall be conducted by the CHSE, Odisha at the end of the Second Year to test the skills of reading and writing as well as the ability to use grammar in context.

PAPER - I (To be evaluated at the College Level)

- | | |
|--|----------|
| 1. Reading Comprehension | |
| (a) Prescribed Prose Pieces. (5 questions to be answered, each carrying 2 marks) | 10 marks |
| (b) Prescribed Poems (5 questions to be answered each carrying 2 marks) | 10 marks |
| (c) Prescribed Extensive Reading Texts (2 questions to be answered carrying 5 marks each; only global, inferential and evaluative questions to be set) | 10 marks |
| 2. Reading - related skills | |
| (a) Vocabulary skills | 5 marks |
| (b) Information Transfer
(Converting verbal information to non-verbal forms, such as diagrams, charts and tables) | 5 marks |
| (c) Reordering/sequencing sentences | 5 marks |
| (d) Dictionary/Reference skills
(2 marks on using a dictionary, and 3 marks meanings of a word) | 5 marks |
| e) Cohesive Devices | 5 marks |
| 3. Writing skills | |
| a) Letter Writing (personal/official/commercial: Word limit: 150) | 10 marks |
| b) Description of object/event /process (Word limit: 1.50) | 10 marks |
| c) Slogan/telegram/caption writing (Word limit: 10) | 5 marks |
| 4. Grammar in context | 10 marks |
| 5. Translation/story-developing | 10 marks |

Total: 100 Marks

PAPER -II
(To be evaluated by the CHSE, ODISHA)

1. Reading Comprehension	
(a) Prescribed prose Pieces	
(5 questions to be answered carrying 2 marks each)	10 marks
(b) Prescribed Poems	
(5 questions to be answered carrying 2 marks each)	10 marks
(c) Prescribed Extensive Reading Texts	10 marks
(2 questions to be answered carrying 5 marks each, only global, inferential and evaluative questions to be set on a passage of about 250 words)	10 marks
(d) Unseen Prose passage	10 marks
(5 questions including inferential ones, carrying 2 marks each)	10 marks
2. Reading- related skills	
a) Vocabulary skills (to be tested on the unseen passage)	5 marks
b) Information transfer (70 words)	
(Converting non-verbal information into verbal form)	5 marks
c) Dictionary/Reference skills	5 marks
3. Writing skills	
(a) Report writing (200 words)	10 marks
(b) Guided Note making on a given passage	7 marks
(c) Summarizing on the same passage	8 marks
(d) Essay writing (250 words - on given outlines)	10 marks
4. Grammar in context	10 marks

Total: 100 Marks



M.I.L (ODIA)

ଆଧୁନିକ ଭାରତୀୟ ଭାଷା (ବାଧ୍ୟତାମୂଳକ) - ଓଡ଼ିଆ

କଳା/ ବିଜ୍ଞାନ/ ବାଣିଜ୍ୟ ସ୍ତ୍ରୋତ ନିମନ୍ତେ

ପ୍ରଥମ ବର୍ଷ - ସାହିତ୍ୟ ସରଣୀ - ୧ ମ ଭାଗ

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା - ୧୦୦

ସମୟ - ୩ ଘଣ୍ଟା

ପିରିଅଡ ସଂଖ୍ୟା - ସାପ୍ତାହିକ - ୫ (ବାର୍ଷିକ - ୮୦)

ପ୍ରଥମ ଏକକ - ଗଦ୍ୟ (୨୦ ପିରିଅଡ)

୨୫ ନମର

- ୧. ଅସୁର ଦୀର୍ଘ - ଫକୀର ମୋହନ ସେନାପତି
- ୨. ମୋ ସମୟର ଭାରତ ଓ ଓଡ଼ିଶା - ଡ. କୃଷ୍ଣଚନ୍ଦ୍ର ପାଣିଗ୍ରାହୀ
- ୩. ଆମେରିକାର ବିଶ୍ୱବିଦ୍ୟାଳୟମାନେ - ହୃଦାନନ୍ଦ ରାୟ
- ୪. ଜୈବ ଭାସ୍କର୍ଯ୍ୟର ଅନୁପମ ବିନ୍ଦାଣୀ ଜିନ୍ - ଶୈଳଶୂର ନନ୍ଦ

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଗୀତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଗୀତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଗୀତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ । ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ଦ୍ୱିତୀୟ ଏକକ - ପଦ୍ୟ (୨୦ ପିରିଅଡ)

୨୫ ନମର

- ୧. ସତ୍ୟ ଆମ କଥା - ସାରଳା ଦାସ
- ୨. ଛାଟ ପକାଇ କଲେ ଚିତ୍ରା - ଜଗନ୍ନାଥ ଦାସ
- ୩. ସରସୀରେ ରାଜକନ୍ୟା - କବି ସମ୍ରାଟ ଉପେନ୍ଦ୍ରଭଞ୍ଜ
- ୪. ଗଲାଣିତ ଗଲାକଥା - କବି ସୂର୍ଯ୍ୟ ବଳଦେବ ରଥ
- ୫. ସତ୍ୟରେ ମରିବି ସତ୍ୟରେ ଚରିବି, ଭୀମ ଭୋଇ ।

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଗୀତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଗୀତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଗୀତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର

- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ତୃତୀୟ ଏକକ - ଏକାଙ୍କିକା (୨୦ ପିରିଅଡ)

୨୫ ନମର

- ୧. ଦୂର ପାହାଡ଼ - ପ୍ରାଣବନ୍ଧୁ କର
- ୨. ମକଦ୍ଦମା - ଗୋପାଳ ଛୋଟରାୟ
- ୩. ଛଦ୍ମବେଶୀ - ବିଶ୍ଵଜିତ୍ ଦାସ

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ୩ଟି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ୩ଟି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ୩ଟିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ଚତୁର୍ଥ ଏକକ - ବ୍ୟାକରଣ (୨୦ ପିରିଅଡ)

୨୫ ନମର

- ୧. ପ୍ରବଂଧ ରଚନା / ଭାବ ସଂପ୍ରସାରଣ
- ୨. ରୁଚି ପ୍ରୟୋଗ
- ୩. ପଦ ନିର୍ଣ୍ଣୟ

- ଏହି ଏକକରୁ ପ୍ରବନ୍ଧରଚନା ଅଥବା ଭାବସଂପ୍ରସାରଣରେ ୨ଟି ପ୍ରଶ୍ନ ଆସିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ରୁଚି ପ୍ରୟୋଗରୁ ୮ଟି ପ୍ରଶ୍ନ ଆସିବ । ସେଥିରୁ ୫ଟିର ଉତ୍ତର ଦେବାକୁ ହେବ । ପ୍ରତ୍ୟେକ ରୁଚିର ଅର୍ଥ ନିର୍ଣ୍ଣୟ ପାଇଁ ୧ ନମର ଓ ବାକ୍ୟରେ ପ୍ରୟୋଗ ପାଇଁ ୧ ନମର ରହିବ ।
ଏହାର ମୂଲ୍ୟ - ୨x୫=୧୦ ନମର
- ପଦ ନିର୍ଣ୍ଣୟ ପାଇଁ ଏକ ଗଦ୍ୟ ଅନୁଚ୍ଛେଦ ଦିଆଯିବ । ସେଥିରେ ବ୍ୟବହୃତ ୧୦ଟି ରେଖାଙ୍କିତ ପଦରୁ ୭ଟିକୁ ଚିହ୍ନାଇ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୧x୭=୭ ନମର

M.I.L (ODIA)

ଆଧୁନିକ ଭାରତୀୟ ଭାଷା (ବାଧ୍ୟତାମୂଳକ) - ଓଡ଼ିଆ

କଳା/ ବିଜ୍ଞାନ/ ବାଣିଜ୍ୟ ସ୍ତୋତ ନିମନ୍ତେ

ଦ୍ଵିତୀୟ- ସାହିତ୍ୟ ସରଣୀ - ୨ ଯ ଭାଗ

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା - ୧୦୦

ସମୟ - ୩ ଘଣ୍ଟା

ପିରିଅଡ ସଂଖ୍ୟା - ସାପ୍ତାହିକ - ୫ (ବାର୍ଷିକ - ୮୦)

ପ୍ରଥମ ଏକକ - ଗଦ୍ୟ (୨୦ ପିରିଅଡ)

୨୫ ନମର

- ୧. ଜାତୀୟ ଜୀବନରେ ସାହିତ୍ୟର ସ୍ଥାନ - ବିଶ୍ୱନାଥ କର
- ୨. କ୍ଷମା - ମାୟାଧର ମାନସିଂହ
- ୩. ଭୂଲ - ଭୁବନେଶ୍ୱର ବେହେରା
- ୪. ଜାତିର ଜୀବନ ଓ ସଂସ୍କୃତି - ଗୋଲୋକ ବିହାରୀ ଧଳ

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଣାଟି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଣାଟି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଣାଟିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ । ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ଦ୍ଵିତୀୟ ଏକକ - ପଦ୍ୟ (୨୦ ପିରିଅଡ)

୨୫ ନମର

- ୧. ଚନ୍ଦ୍ରଭାଗା - ରାଧାନାଥ ରାୟ
- ୨. ସୁଲ କଳେବର ନୁହଇ ଅମର - ଗଙ୍ଗାଧର ମେହେର
- ୩. ଧର୍ମପଦର ଆତ୍ମଲିପି - ଗୋପବନ୍ଧୁ ଦାସ
- ୪. ଗ୍ରାମ ଶୁଶାନ୍ - ସଚ୍ଚିଦାନନ୍ଦ ରାଉତରାୟ
- ୫. ବିଶ୍ୱଜୀବନ ପଥେ - ରାଧାମୋହନ ଗଡନାୟକ

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଣାଟି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଣାଟି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଣାଟିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର

- ଝଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମ୍ବର

ତୃତୀୟ ଏକକ - ଗଳ୍ପ (୨୦ ପିରିଅଡ)

୨୫ ନମ୍ବର

- ୧. ଏବେ ମଧ୍ୟ ବଞ୍ଚିଛି - ଗୋଦାବରୀ ମହାପାତ୍ର
- ୨. ବିଚ୍ଛନ୍ନ ଓ ରେଳଗାଡ଼ି - କାଳିନ୍ଦୀ ଚରଣ ପାଣିଗ୍ରାହୀ
- ୩. ଅନେକ ସ୍ଥିତ ହସ - ମନୋଜ ଦାସ
- ୪. ଦର୍ଶନ - ବୀଣାପାଣି ମହାନ୍ତି
- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୮ ନମ୍ବର
- ଣାଟି ୩ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମ୍ବର
- ଣାଟି ୨ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମ୍ବର
- ଣାଟିର ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମ୍ବର
- ଝଟି ୧ ନମ୍ବର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମ୍ବର

ଚତୁର୍ଥ ଏକକ - ବ୍ୟାକରଣ (୨୦ ପିରିଅଡ)

୨୫ ନମ୍ବର

- ୧. ଦରଖାସ୍ତ ଲିଖନ ।
- ୨. ଅବରୋଧ ପରୀକ୍ଷଣ ।
- ୩. ବିପରୀତ ଅର୍ଥ ବୋଧକ ଶବ୍ଦ ।
- ୪. ସମୋଚ୍ଚାରିତ ଭିନ୍ନାର୍ଥ ବୋଧକ ଶବ୍ଦ ।
- ୫. ଏକପଦାକରଣ ।
- ଦରଖାସ୍ତ ଲିଖନରୁ ୨ଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ଦେବାକୁ ହେବ
ଏହାର ମୂଲ୍ୟ - ୬ ନମ୍ବର
- ଅବରୋଧ ପରୀକ୍ଷଣ ନିମନ୍ତେ ଏକ ଗଦ୍ୟ ଅନୁଭେଦ ଦିଆଯିବ । ସେଥିରୁ ଝଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ସମସ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ବାଧ୍ୟତାମୂଳକ ।
ଏହାର ମୂଲ୍ୟ - ୨x୫=୧୦ ନମ୍ବର
- ବିପରୀତ ଅର୍ଥ ବୋଧକ ଶବ୍ଦ, ସମୋଚ୍ଚାରିତ ଭିନ୍ନାର୍ଥ ବୋଧକ ଶବ୍ଦ ଏବଂ ଏକପଦାକରଣ ପ୍ରତ୍ୟେକରୁ ଝଟି ଲେଖାଏଁ ? ପ୍ରଶ୍ନ ପଢ଼ିବ ।
ସେଥିରୁ ଣାଟି ଲେଖାଏଁ କରିବାକୁ ପଢ଼ିବ ।
ଏହାର ମୂଲ୍ୟ - ୧x୩=୩, ୧x୩, ୧x୩= ୯ ନମ୍ବର

M.I.L. (HINDI)

+2 1st Yr Arts, Com & Science

Time : 3 Hours

Full Marks : 100

There shall be one paper carrying 100 marks. The duration of Examination will be three hours.

Distribution of marks -

पाठ्य पुस्तक : साहित्य विविधा -1 - सं. प्र. एम. वेंकटेश्वर
- डा. स्मरप्रिया मिश्र
- सोनम प्रकाशन,
बादामबाडी, कटक

1. **Unit -I (गद्य)**
सम्पूर्ण (All) 18 Classes
2. **Unit -II (काव्य)**
सम्पूर्ण (All) 18 Classes
3. **Unit -III (भाषा अध्ययन)**
सम्पूर्ण (All) 18 Classes
4. **Unit -IV (निबन्ध)**
समसामयिक विषय (All) 18 Classes

Distribution of Marks for M.I.L. (Hindi)

Group - A

1. Multiple choice (From I, II & III units)
2. One word Answer (- do -)
3. Correct the sentences (- do -)
4. Fill up the Blanks (- do -)

GROUP - B (SHORT TYPE)

5. Write notes on any five (From Unit-I, II & III)
6. Explain only (From Unit - I & II)

GROUP - C (LONG TYPE)

7. Four Long questions
From I & II Units
From II & IV Units

M.I.L. (HINDI)

+2 IInd Yr Arts, Com & Science

Time : 3 Hours

Full Marks : 100

There shall be one paper carrying 100 marks. The duration of Examination will be three hours.

Distribution of marks -

पाठ्य पुस्तक : साहित्य विविधा - II : सं. डा. शंकरलाल पुरोहित
डा. कमलप्रभा कपानी

1. **Unit -I (गद्य)**
सम्पूर्ण (All) 18 Classes

2. **Unit -II (काव्य)** 18 Classes
सम्पूर्ण (All)
3. **Unit -III (कहानी)** 18 Classes
सम्पूर्ण (All)
4. **Unit -IV** 18 Classes
(क) पत्र लेखन (व्यक्तिगत एवं आवेदन पत्र)
(ख) पल्लवन

DISTRIBUTION OF MARKS FOR MIL (HINDI)

GROUP - A (Objective type)

1. Multiple Choice (From All Units) I, II & III
2. One word answer (-do-) I, II & III
3. Correct the sentences (-do-)
4. Fill up the Blanks I, II & III

GROUP - B (SHORT TYPE)

5. Write notes on any five (From Unit-I, II & III)
6. Explain only (From Unit - I & II)

GROUP - C (LONG TYPE)

7. Four Long questions
From I & II Units
From II & IV Units

BENGALI

(Compulsory)

The present syllabus in Bengali is designed to improve the Bengali language and knowledge in Bengal literature and Indian Culture. To strengthen the national integrity a profound sense of patriotism and nationalism tempered with the spirit of "Vasundhaiva Kutumbakam."

The Syllabus has been divided into two parts. The first part is meant for the students of XI class and the examination of the first part shall be conducted at the end of the XI Class at College/ HS School level.

The Second part of the syllabus is meant for the students of XII Class and the examination of this part shall be conducted at the end of XII Class at Council level.

M.I.L (BENGALI)

(Compulsory)

First year Paper-I

(F M. -100 Time -3 hours and consisting of four units.)

The examination shall be conducted at the end of XI class at College / H.S. School level.

According to the educational policy and guideness given by the Council the Syllabus is prepared as follows:

UNIT - I

Books Prescribed :

PROSE :

Uchha Madhyamik Bangia Sankalan. (Gadya) for Class XI & XII. Published by paschim Banga uchha Madhyamik Siksha Sansad, Viswa Vharati.

The following pieces are to be studied in the first year :

1. Bangladeshe Nilkar - Pyarichand Mitra.
2. Sitar Banabas - Iswarchandra Vidyasagar.
3. Bisarjan - Bankimchandra Chattopadhyaya
4. Sudra gagaran - Swami Vivekananda.

UNIT - II

POETRY :

Madhukari - Kalidas Ray

(Published by Orient Book Company, Kolkata -12)

The following pieces are to be studied in the first year :-

1. Srigoura Chandra - Gobinda das kabiraj.
2. Bhabollas - Vidyapati.
3. Premer Tulana - Durija Chandidas
4. Avigir Akshep - Gyandas.

UNIT - III

NOVEL - (Non-Detailed)

Srikanta - Sarat chandra chattopadhyay

(Chapter - 1 to 7 (one to seven) to be read in the first year)

UNIT - IV

Grammar

Proverbs and Idioms, Sentence and word formation Annonyms and Synonyms.

Distribution of Marks of Unit wise :-

Unit - I Prose

- A. Two short Answer type questions with alternatives -
- B. One explanation with alternatives
- C. Five very Short Answer type questions with alternative

Unit -II Poetry -

- A. Two short Answer type Questions with alternative-
- B. One explanation with alternative
- C. Five very short answer type questions with alternative

Unit - III Novel (Non datail) -

- A. Four short answer type Question with alternative

Unit - IV Grammar & Essay -

- A. Grammar objective type 10 Questions with alternative containing 2 marks each
- B. Essay/ One essay with three alternatives -

M.I.L (Bengali)

SECOND YEAR

F.M. -100

Time -3 hrs.

The examination shall be conducted at the end of XII Class at Council level.

Books Prescribed :

UNIT - I PROSE :

Uchha Madhyamik Bangia Sankal"an (Gadya) for Class XI & XII.

Published by Paschim Banga Uchha Madhyamik Siksha Sansad, Viswa Varati.

The following pieces are to be studied in the Second year :-

1. Bangia Bhasa - Haraprasad Sastri
2. Tota Kahini - Rabindra nath Tagore
3. Naisha Avijaa - Sarat Ch. Chattopadhyay
4. Aranyak - Bibhuti Bhusan Bandopadhyay

UNIT -II POETRY :

Madhukari - Kalidas Ray

(Published by Orient Book Company, Kolkata -12)

Pieces to be Studied :

1. Baisakh - Oebendra Nath Sen
2. Lohar Byatha - Jatindra Nath Sengupta
3. Swarga Haite Viday - Rabindra nath Tagore
4. Rupai - Jasimuddin

Arts Stream

UNIT - III NOVEL - (Non-detailed Study)

Srikanta = Sarat Chandra Chattopadhyay

(Chapter (8 to 12) eight to twelve to be studied in the Second year.)

UNIT - IV Grammar and Essay

(i) Pada Paribartan

(ii) Somas

(iii) Somo chharita-Bhinna Thark Sobda and its application in sentences.

Distribution of marks of unit wise :-

There shall be four units.

Unit - I Prose -

- A. Two short Answer type questions with alternatives -
- B. One explanation with alternatives -
- C. Five very Short Answer type questions with alternative -

Unit -II Poetry

- A. Two short Answer type Questions with alternative
- B. One explanation with alternative
- C. Five very short answer type questions with alternative

Unit - III Novel (Non detail) -

- A. Four short answer type Question with alternative

Unit - IV Grammar & Essay -

- A. Grammar objective type 10 Questions with alternative containing 2 marks each
- B. Essay/ One essay with three alternatives -

M.I.L (TELUGU)**FIRST YEAR****(Compulsory)****Time 3 hours****No. of Periods : Weekly-5****Full Marks 100****Yearly 80**

There shall be one paper carrying 100 marks of 3 hours duration consisting of four units. The examination shall be conducted at the end of First Year of college / H.S. School.

DISTRIBUTION OF MARKS**Group- A (Objective Type)**

- | | | |
|----|---|----------------|
| 1. | Thirty very short questions (from unit I, II & III) | 30x1 =30 Marks |
| 2. | Ten very questions (from unit IV- A) | 10x1=10 Marks |

Group- B (short Type Questions)

- | | | |
|----|--|--------------|
| 3. | Six short questions(from Unit I, II & III) | 6x2=12 Marks |
| 4. | Four explanation (only Bhavartha from unit I & II) | 4x2=8 Marks |
| 5. | Five short questions (from Unit IV-A) | 5x2=10 Marks |

Group -C (Long Type Questions)

- | | | |
|----|--|------------------|
| 6. | Three long questions with alternative | 3x7=21 Marks |
| 7. | Letter writing /essay with alternative(from unit iv-B) | 1x9=9 Marks |
| | TOTAL | 100 marks |

TOPICS TO BE STUDIED :**UNIT – I POETRY : (20 periods)**

- | | | | |
|----|----------------------|---|--------------------------|
| 1. | Ekalavyudu | - | Nannaya Bhattu |
| 2. | Balivamana Samvadamu | - | Bammera Potana |
| 3. | Subhashitamulu | - | Enugu Lakshmana Kavi |
| 4. | Tokachukka | - | Gurajada Apparao |
| 5. | Gongali Purugulu | - | Balagangadhara Tilak |
| 6. | Pushpa Vilapamu | - | Jandhyala Papayya Sastri |

UNIT – II PROSE : (20 periods)

- | | | | |
|----|-------------------------------|---|-----------------------------|
| 1. | Mitra Labhamu | - | Paravastu Chinnayasuri |
| 2. | Vemana | - | Dr G.V.Krishna Rao |
| 3. | C.P. Brown Sahitya Seva | - | Prof. K. Sarvothama Rao |
| 4. | A I D S | - | Dr. Singupuram Narayana Rao |
| 5. | Telugu Patrikala Purva Rangam | - | Namala Visveswara Rao |

UNIT – III NON – DETAIL : (16 periods)

- | | | |
|--------------------|---|-------------------|
| Raja Raja Prasasti | - | Prof. S. Gangappa |
|--------------------|---|-------------------|

UNIT – IV (A) GRAMMER : (16 periods)

M.I.L (TELUGU)
SECOND YEAR
(Compulsory)

Time 3 hours

No of Periods : Weekly-5

Full Marks 100

Yearly 80

There shall be one paper carrying 100 marks of 3 hours duration consisting of four units. The examination shall be conducted at the end of Second Year at Council level.

DISTRIBUTION OF MARKS

Group- A (Objective Type)

- | | | |
|----|---|----------------|
| 1. | Thirty very short questions (from unit I, II & III) | 30x1 =30 Marks |
| 2. | Ten very questions (from unit IV- A) | 10x1=10 Marks |

Group- B (short Type Questions)

- | | | |
|----|--|--------------|
| 3. | Six short questions(from Unit I, II & III) | 6x2=12 Marks |
| 4. | Four explanation (only Bhavartha from unit I & II) | 4x2=8 Marks |
| 5. | Five short questions (from Unit IV-A) | 5x2=10 Marks |

Group -C (Long Type Questions)

- | | | |
|----|--|--------------|
| 6. | Three long questions with alternative | 3x7=21 Marks |
| 7. | Letter writing /essay with alternative(from unit iv-B) | 1x9=9 Marks |

TOTAL**100 marks**

TOPICS TO BE STUDIED:

UNIT – I POETRY : (20 periods)

- | | | | |
|----|-----------------------|---|--------------------------------|
| 1. | Sanjaya Rayabharamu | - | Tikkana Somayaji |
| 2. | Hanumatsandesamu | - | Atukuri Molla |
| 3. | Piradausi Lekha | - | Gurram Jashuwa |
| 4. | Manchi Mutyala Saralu | - | Sri Sri |
| 5. | Jateeyata | - | Dr. Nagabhairava Koteswara Rao |
| 6. | Panjaramlo Amma | - | Dr. Bhusurapalli Venkateswarlu |

UNIT – II PROSE : (20 periods)

- | | | | |
|----|------------------------------------|---|------------------------------|
| 1. | Mitra Bhedamu | - | Paravastu Chinnayasuri |
| 2. | Rayaprolu streevada drukpadham | - | Prof K.Yadagiri |
| 3. | Ahalya Sankrandanam Parta Chitrana | - | Dr. Nagabhairava Adinarayana |
| 4. | Veyipadagalu Samajika Drukpadham | - | Dr. Singupuram Nayayana Rao |
| 5. | Goutama Budhudu | - | Dr. V.R.Chakravarty |

UNIT – III NON – DETAIL : (16 periods)

- | | | | |
|--|--------------|---|--------------------|
| | Rudrama Devi | - | Smt. P.B. Kausalya |
|--|--------------|---|--------------------|

UNIT – IV A) GRAMMAR : (16 periods)

Arts Stream

Paribhashika padamulu

Chandssu : Utpalamala, Champakamala,

Sardhulamu, Mathebhamu, Ataveladi, Tetageeti

Alankaramulu : Upama, Rupaka, Utpreksha, Ardhanantanyasa, Atisiyokti

B) RE-TRANSLATION (English to Telugu) :(08 periods)

BOOKS PRESCRIBED :

- 1) Poetry & Prose : **Sahitee Mandaram**
- By Dr. Singupuram Narayana Rao
- 2) Non-Detai : **Rudramadevi**
- By Smt. P.B. Kausalya
- 3) Grammar : **Vyakarana Parijatamu**
- By Dr. Singupuram Narayana Rao

M.I.L (URDU)**(Compulsory)****FIRST YEAR****Time- 3hrs****Total Classes-80****F.M-100**

There shall be one paper carrying 100 marks consisting of 3(three) groups and duration of examination will be of 3(three) hours at the college/H.S School Level

Distribution of marks

Group-A**30 Marks**

- Q. 1 Objective type questions from all units prose, Poetry and non-detailed
- | | |
|--|------------------|
| a. Five objective type questions from prose | 1 x 5=5 marks |
| b. Five objective type questions from poetry | 1 x 5=5 marks |
| c. Five objective type questions from Non-detailed | 1 x 5 =5 marks |
| | Total = 15 marks |

Grammar

- Q.2
- | | |
|--------------------------------------|------------------|
| a. One word answer five questions | 1 x 5 = 5 marks |
| b. Very short answer five questions | 1 x 5 = 5 marks |
| c. Fill up the Blanks five questions | 1 x 5= 5 marks |
| | Total = 15 marks |

Group- B**40 marks**

Short Type Answer

- Q.3 Answer within two/three sentences
- | | |
|---|---------------|
| a. Prose- Six questions to be answered out of eight questions | 6 x2=12 Marks |
| b. Poetry- Five questions to be answered out of six questions | 5x2= 10 marks |
- Q.4 Answer with in six sentences.
- | | |
|---|------------------------|
| a. Prose- Three questions to be answered out of four questions | 3x3=9marks |
| b. Ghazaliyat- Three Ashaar explanation to be answered out of four Ashaar | 3x3=9marks |
| | Total- 18 marks |

Group- C**30 marks**

- Q.5
- | | |
|---|----------|
| a. Prose : One long answer type question about 150 words with an alternative from prose portion. | 7½ Marks |
| b. Poetry : One long answer type question about 150 words with an alternative from poetry portion | 7½ Marks |

Arts Stream

c. Non detailed- one long answer type question about 150 words with an alternative from non-detailed portion

7½ Marks

d. Letter/Application : one Letter writing/application writing about 100 words.

7 ½ Marks

Books Prescribed :

MEYAR- E- ADAB
Compiled by prof: Suraiya Husain
To be had from Education Book
House Aligarh U.P

1. Prose portion :

20 Classes

Portions to be studied :

- i. Sair Pahle Darwesh Ki---Mir Amman
- ii. Lakhnow Ki Raisana Zindagi KI Ek Jhalak---Sharar
- iii. Khutut---Mirza Ghalib
- iv. Kalim Daulat A bad mein---Nazir Ahmed
- v. Ghalib Ki Shairi--- Hali
- vi. Bahaduron ke Karname --- Hasan Nizami
- vii. Namak Ka Darogha --- Premchand

2. (a) Poetry Portion :-

24 Classes

Portions to be studied

- i. Qaid Khane Ki Rat--- Mir Anis
- ii. Jogan Aur Chandni Rat--- Mir Hasan
- iii. Tazhiq- E- Rozgar--- Sauda
- iv. Israf--- Hali
- v. Ahd-E-Wafa--- Akhtarul Iman

(b) Ghazaliyat Portion :

First two Ghazals from the following poets

- i. Wali, ii. Meer, iii. Ghalib, iv. Momin, v. Atish

3. Non detailed studies :-

16 Classes

Any one of the following books only first half
Of the books in the 1st year

Books prescribed :

- i. Taubatun Nasooh :-
By Deputy Nazeer Ahemad
To be had from Maktab – E-Jamiya Ltd
Jamia Nagar New Delhi- 110025
- ii. Musaddas Hali
By Altaf Husain Hali
To be had from Educational Book House Aligarh (U.P)

5. Letter writing :

There shall be letter writing/Application writing

5 Classes

6. Grammar

15 Classes

Book Prescribed

Urdu Zaban –o- Quwaid Part- I

By Shafi Ahmed Siddiqui

Portions to be studied :

- i. Ism Ki Quismen
- ii. Fail Ki Quismen
- iii. Sabqueour Laahque
- iv. Mutashaba Alfaz

Arts/Sc/Com Stream

SECOND YEAR

Time- 3 hrs

Total Classes- 80

F.M- 100

There shall be one paper carrying 100 marks consisting of 3(three) groups and duration of examination will be of 3 (three) hours at the council level.

Distribution of marks

Group-A

30 Marks

Objective type compulsory

Q1. Objective type question from all units prose, poetry and Non-detailed

a. Five objective type questions from prose

1x5=5 marks

b. Five objective type questions from poetry

1x5=5 marks

c. Five objective type questions from no detailed

1x5=5 marks

Total:15 marks

GRAMMAR

Q.2

a. One word answer five questions

1x5=5 marks

b. Very short answer five questions

1x5=5 marks

c. Fill up the blanks five questions

1x5= 5 marks

Total:15 marks

Group-B

40 Marks

Short Type Answer

Q.3 Answer within two/three sentences.

a. Comprehension of an unseen passage of about 150 words followed by seven questions to be answered out of nine question

7x2=14 marks

b. Prose : Four questions to be answered out of five questions

4 x 2 =8 marks

Arts Stream

Total = 22 marks

Q4. Answer within six sentences

- a. Prose : Three questions to be answered out of
Four questions
- b. Ghazaliyat : Three Ashaar explanation to be
Answered out of four Ashaars

3x3=9 marks

3x3=9 marks

Total = 18 marks

Group- C

30 Marks

Long Type Answer

- Q.5 a. Prose : One long answer type question about
150 words with an alternative from
Prose portions
- b. Poetry : One long answer type question about
150 words with an alternative from
Poetry portion.
- c. Non- Detailed : One long answer type question
About 150 words with an alternative
From non-detailed portion
- d. Essay : One long answer type question about
150 words with three alternatives

7½ marks

7½ marks

7½ marks

7½ marks

Books prescribed

MEYAR- E-ADAB

Compiled by Prof Suraiya Husain

1. Prose Portion :

20 Classes

Portions to be studied :

- i. Ek- Khat : Abul Kalam Azad
- ii. Kutte : Patras Bokhari
- iii. Nazir Ahmad Ki Kahani : Farhatullah Baig
- iv. Acchi Kitab : Abdul Haque
- v. Hali : Aale Ahmad Suroor

2. (a) Poetry portion

Portions to be studied :

- i. Bazmein Anjum : Iqbal
- ii. Kashmir : Chakbast
- iii. Badli Ka Chand : Josh Malleeh Abadi
- iv. Pairahane Sharar : Sardar Jafri

25 Classes

(b) Ghazaliyat : First two Ghazals of the following poets

i. Hasrat, ii. Faani, iii. Shaad, iv. Firaq, v. Faiz

3. Non detailed studies

15 Classes

Any one of the following books from the remaining
Half portion dis-continued in the 1st year

a. Taubatun Nasooh

By Deputy Nazeer Ahemad

To be had from Maktab- E-Jamiya Ltd

b. Musaddas Hali:

By:- Altaf Husain Hali

To be had from Educational Book House Aligarh (U.P)

4. (a) Essay :

There shall be one general Easy with three alternatives 5 Classes

(b) Comprehension

5. Grammar

Book Prescribed

15 Classes

Urdu Zaban- O – Qawaid Part-1

By Shafi Ahmed Siddiqui

Person to be studies :

i. Tazkir-O-Tanis, ii. Wahid-O-Jama, iii. Mutazad Alfaz, iv. Mahaware

QUESTION PATTERN AND MARK-DIVISION

M.I.L. (SANSKRIT)

1st Year

TIME:03 Hrs

GROUP -A

FULL MARKS - 100

Q.1. Multiple Choises : 1 x 15 = 15

<i>MARK-DIVISION</i> : PROSE	- 1X3 = 3
: POETRY	- 1X2 = 2
: SANDHI	- 1X3 = 3
: SANDHIVICCHEDA	- 1X3 = 3
: KARAKA - VIBHAKTI	- 1X4 = 4

Q.2. One word Answer / Correction / Fill up the Blanks : 1x15 =15

<i>MARKDIVISION</i> :PROSE	- 1x2 =2
:POETRY	- 1x3 =3
: PRAKRUTI-PRATYAYA	- 1x3 =3
: SAMASA	- 1X3 =3
: EKAPADIKARANA	- 1X4 = 4
(from Stripratya and Samasa)	

GROUP -B

Q.3. Short Type Answer (within 2/3 sentences / 12words) : 2x11 = 22

<i>MARKDIVISION</i> : (a) Comprehension	- 2x6 = 12 (out of 07Qs.)
(passages from 1to 8 of Samskrta Prabha)	
(b) Translation	
(from Unseen Sanskrit	- 2x5 = 10 (out of 07Qs.)

sentences into Odiya/English)

Q.4. Short Type Answer (within 06 sentences / 25words) : $3 \times 6 = 18$

MARKDIVISION : (a) PROSE - $3 \times 3 = 09$ (out of 04 Qs.)

(b) POETRY - $3 \times 3 = 09$ (out of 04 Qs.)

GROUP - C

Q.5. 04 Long Questions out of 06 Qs, $7^{1/2} \times 4 = 30$

(within 08 sentences / 40 words)

- a) Letter /Application writing.
- b) Long Question (PROSE)
- c) Long Question (POETRY)
- d) Explanation (PROSE/ POETRY)
- e) Translation in to odia/sanskrit from prose/poetry.
- f) Precis Writing (OF UNSEEN PASSAGE)

N. B. Answers in Sanskrit are to be written either in Odia Script or in Devanagari Script.

**M.I.L. (SANSKRIT)
FIRST YEAR**

*There shall be one paper carrying 100 marks.
The duration of Examination will be of three hours.*

COURSE STRUCTURE

UNIT	CLASSES REQUIRED	MARKS ALLOTTED
Unit - I		
Prose	20	21 1/2
Unit - II		
Poetry	20	21 1/2
Unit - III		
Grammar (Textual & Outside)	12	20
Unit - IV		
Translation & Comprehension	18	22
Unit - V		
Letter/ Application, Expansion of ideas Precis writing	10	15
Total	80 Classes	Total 100

PORTIONS TO BE STUDIED

Unit - I

Prose- Samskrta Prabha (Gadyabhagah)

संस्कृतप्रभा (गद्यभागः)

The following prose pieces from the above mentioned book are to be studied.

1. मनुमत्स्याख्यानम् (Manumatsyakhyanam)
2. चतुरशृगालः (Caturasrgalah)
3. संस्कृते किं नास्ति (Samskrte kim nasti)
4. जाबालः सत्यकामः (Jabalah Satyakamah)

UNIT-II

Poetry- Samskrta Prabha (Padya Bhagah)

संस्कृतप्रभा (पद्यभागः)

The following poetry pieces from the above book are to be studied.

1. सुभाषितावली (Subhasitavali)
2. भाति मे भारतम् (Bhati me Bharatam)
3. वसन्तः (Vasantah)

Unit - III

(A) Grammar from the text

01. सन्धि (Sandhi)
02. सन्धिविच्छेद Sandhi Viccheda
03. कारक-विभक्ति Karaka-Vibhakti
04. प्रकृति-प्रत्यय Prakrti Pratyaya

(B) Grammar from outside the text /General

01. स्त्रीप्रत्यय (Stripratyaya)
02. समास (Samasa)
03. एकपदीकरण (Formation of single word from Stripratyaya and Samasa)

Unit - IV

Translation and Comprehension

- A) Comprehension - Sanskrit passage for the comprehension (Passage No. 01 to 08)
of संस्कृतप्रभा
- B) Translation of unseen Sanskrit sentences into Odia/English

Unit - V

The art of Writing of Letters, Applications, Expansion of Ideas, Textual Explanations, Textual Long Questions and Precis writing.

Books Recommended:

1. **Samskrta Prabha - संस्कृतप्रभा**
Published by Odisha State Bureau of Textbook Preparation and Production.
2. **Vyakarana-darpanah - व्याकरण दर्पणः**
Published by Odisha State Bureau of Textbook Preparation and Production.

QUESTION PATTERN AND MARK-DIVISION
M.I.L. (SANSKRIT)
2ND YEAR

TIME:03 Hrs

GROUP - A

FULL MARKS - 100

Q.1.MULTIPLE CHOICES : 1 x 15=15

MARKDIVISION : PROSE - 1X3 = 3

: POETRY - 1X2 = 2

: SAMASA - 1X4 = 4

: SABDARUPA - 1x3 = 3

: DHATURUPA - 1x3 = 3

Q.2. One word Answer / Correction / Fill up the Blanks : 1x15 =15

MARKDIVISION : PROSE - 1x2 =2

: POETRY - 1x3 =3

: SANDHI - 1X2 = 2

: SANDHIVICCHEDA - 1x2 =2

: KARAKA VIBHAKTI - 1X3 = 3

: STRIPRATYAYA - 1X3 = 3

GROUP-B

Q.3. Short Type Answer (within 2/3 sentences / 12words) : 2x11 = 22

MARKDIVISION : (a) Comprehension - 2x6 = 12 (out of 07Qs.)

(passages from 9 to16 of Samskrtaprabha)

: (b) Translation - 2x5 = 10 (out of 07Qs.)

(from Odiya/English into Sanskrit)

Q.4. Short Type Answer (within 06 sentences / 25words) : 3 x 6 = 18

MARKDIVISION : (a) PROSE - 3 x 3 = 09 (out of 04 Qs.)

(b) POETRY - 3 x 3 = 09 (out of 04 Qs.)

GROUP - C

Q.5. 04 Long Questions out of 06 Qs, $7^{1/2} \times 4 = 30$

(within 08 sentences / 40 words)

- a) Letter /Application writing.
- b) Long Question (PROSE)
- c) Long Question (POETRY)
- d) Explanation (PROSE/ POETRY)
- e) Translation in to odia/sanskrit from prose/poetry.
- f) Precis writing (OF UNSEEN PASSAGE)

N.B. Answers in Sanskrit are to be written either in Odia Script or in Devanagari Script.

**M.I.L. (SANSKRIT)
SECOND YEAR**

There shall be one paper carrying 100 marks.
The duration of Examination will be of three hours

COURSE STRUCTURE

UNIT	CLASSES REQUIRED	MARKS ALLOTTED
Unit - I		
Prose	20	21 1/2
Unit - II		
Poetry	20	21 1/2
Unit - III		
Grammar (Textual & Outside)	12	20
Unit - IV		
Translation & Comprehension	18	22
Unit - V	10	15
Letter/ Application Expansion of ideas Precis writing		
Total	80 Classes	Total 100 Marks

PORTIONS TO BE STUDIED

Unit - I

Prose- Samskrtaprabha (Gadyabhagah)

संस्कृतप्रभा (गद्यभागः)

The following prose pieces from the above mentioned book are to be studied.

1. कपोतलुब्धककथा (Kapotalubdhakakatha)
2. सुश्रुतस्य यन्त्रकर्मशास्त्रकर्माणि (Susrutasya Yantrakarma sastrakarmani)
3. गुणिगुणहीनविवेकः (Gunigunahinavivekah)
4. रामतपोवनाभिगमनम् (Ramatapovanabhigamanam)

UNIT-II

Poetry- Samskrtaprabha (Padyabhagah)

संस्कृतप्रभा (पद्यभागः)

The following poetry pieces from the above book are to be studied.

1. दशावतारस्तुति: (Dasavatarastutih)
2. गीतासौरभम् (Gitasaurabhavam).
3. रघुवंशम् (Raghuvamsam)

Unit - III

(A) Grammar from the text

01. कारक-विभक्ति Karaka-Vibhakti
02. सन्धि Sandhi
03. सन्धिविच्छेद Sandhi Viccheda

(B) Grammar from outside the text/General

01. शब्दरूप - Sabdarupa- (नर, फल, लता, मुनि, मति, वारि, नदी, पितृ, मातृ, गच्छत्, मनस्, आत्मन्, तद्, किम्, इदम्, अस्मद्, युष्मद्, द्वि, त्रि, चतुर्)
02. धातुरूप - Dhaturupa- (भू, गम्, पठ्, कृ, अस्, लभ्, पूज्)
03. समास -(Samasa)
- 04 स्त्रीप्रत्यय- -(Stripratyaya)

Unit - IV

Translation and Comprehension

A)Comprehension - Sanskrit passages for the comprehension (Passage No. 09 to 16) of **संस्कृतप्रभा**

B) Translation of Odia/English sentences into Sanskrit.

Unit - V

The art of Writing of Letters, Applications, Expansion of Ideas, Textual Explanations, Textual Long Questions and Precis writing.

Books Recommended:

1. **Samskrta Prabha - संस्कृतप्रभा**
Published by Odisha State Bureau of Textbook Preparation and Production.
2. **Vyakarana-darpanah - व्याकरणदर्पणः**
Published by Odisha State Bureau of Textbook Preparation and Production.

ALTERNATIVE ENGLISH

1. Introduction : The course is meant for the students

- (a) who opt to study English in lieu of a Modern Indian Language, and
- (b) who seek to develop a high level of competence in English.

It is assumed that the students who offer to study this course have high motivation and competence in English. Hence, it aims at building up on their previous learning and their acquisition of skills in compulsory English course which they are exposed to simultaneously.

2. Objectives : By the end of the course a student should be able to

- (a) transact real-life business in English, and
- (b) appreciate, evaluate and enjoy different types of writing in English

By the end of the Higher Secondary Course in Alternative English, the learners are expected to acquire the language skills specified below :

3.1. Reading (Non-fictional prose) :

- (a) To make predictions and guesses while reading a prose text
- (b) To understand relations between the parts of a reading text and recognize the indicators in discourse.
- (c) To understand the writer's intention/attitude, to discriminate between facts and opinions, to recognize the writer's bias, if any, and to assess the communicative value of a given text.
- (d) To identify the structure of a text, such as descriptive sequence, chronological sequence, cause-and-effect chain, argumentative and logical organization, etc.
- (e) To compare and contrast two texts on similar themes
- (f) To use reference skills to select a suitable text for reading.
- (g) To use the title, blurb, contents and index of a book in order to form an overall idea of what the book is about and of whether it will be relevant reading with reference to a particular topic.

3.2. Reading (Poetry) :

- (a) To recognize the structure of a poem and to appreciate the themes and ideas presented therein.
- (b) To recognize, identify and interpret poetic structure in a given poem.
- (c) To recognize and appreciate the effects of different poetic devices like simile / metaphor / symbol / personification / irony / alliteration / assonance, etc.

3.3. Reading (short stories, one-act plays) The students are expected to develop in them the capacity

- (a) To comprehend the plot and characters of a given short story/play, and
- (b) To interpret the themes and points of view contained in a given story/play.

4.1. Writing : The students will be able

- (a) to formulate ideas for compositions, to brainstorm and organize ideas, to write and revise their writing on common themes/situations for given purpose.
- (b) to identify grammatical errors and to correct them in their own writing or in peer writing.
- (c) To design and write a brochure or pamphlet
- (d) To write the dialogues of a face-to-face/telephonic conversation.

4.2. Creative Writing : The students are expected to develop in them the ability

- (a) To add a suitable beginning/ending/title to a given poem/story

- (b) To reconstruct a story from a given set of questions/fillers/outlines.
- (c) To rewrite a poem/short story as a different form of discourse, i.e. a page of a diary, a newspaper article or a script for a play etc.

4. Grammar and Usage : Points relating to Grammar and usage will be mainly discourse-based. These points are discussed in 'Approaches to English Book I' and in Reference Books for Grammar mentioned under 'Instructional Materials'. They are related to the following broad topics :

- i) Tense and Aspect
- ii) Modals
- iii) Non-finite Verb forms
- iv) The Passive
- v) Prepositions
- vi) Phrasal Verbs
- vii) Clause-types
- viii) Linking Devices
- ix) Word Order and Emphasis

5. Instructional Materials :

- (a) Approaches to English, Book-I
- (b) Approaches to English, Book-II
Published by the Orissa State Bureau of Textbook Preparation and Production, Pustak Bhavan, Bhubaneswar.
- (c) Reference Books for Grammar and Usage :
 - (i) A University Grammar of English (Quirk, Greenbaum et al)
 - (ii) English Grammar Practice (Bijoy Kumar Bal)

FIRST YEAR

A. APPROACHES TO ENGLISH, BOOK-I

Prose

Units to be studied :

- i. The Adventure of Learning
- ii. Men and Women
- iii. Modern Living
- iv. Food for Thought

B. APPROACHES TO ENGLISH, BOOK -II

Poetry

Units to be studied :

- i. Ecology (A.K.Ramanujan)
- ii. Dog's Death (John Updike)
- iii. The Fog (W.H.Davies)
- iv. Girl Lithe and Tawny (Pablo Neruda)
- v. Ballad of the Landlord (Langston Hughes)

Short Stories

Arts Stream

Units to be studied :

- xi. The Rainbow-Bird (Vance Palmer)
- xii. The Eyes Have it (Ruskin Bond)
- xiii. The little Wife (William March)

One-Act Plays

Units to be studied :

- xvii. Mother's Day (J.B. Priestley)
- xviii. The Unexpected (Ella Adkins)

C. GRAMMAR & USAGE

- i. Tense and Aspect
- ii. Modals
- iii. Non-finite verb forms
- iv. The passive
- v. Prepositions and Phrasal Verbs

SECOND YEAR

A. APPROACHES TO ENGLISH, BOOK-I

Units to be studied

- vi. The Wonder World of Science
- vii. Our Environment
- viii. The World of Business
- ix. The Changing World

B. APPROACHES TO ENGLISH, BOOK-II

Poetry

Units to be studied :

- vi. Indian Children Speak (Juanita Bell)
- vii. The Goat Paths (James Stephen)
- viii. Of a Questionable Conviction (Jayanta Mahapatra)
- ix. Mirror (Sylvia Plath)
- x. Toads (Philip Larkin).

Short Stories

Units to be studied :

- xiv. The Happy Man (W.S. Maugham)
- xv. The Tree (Manoj Das)
- xvi. The Watch Man (R.K. Narayan)

One Act Plays

Units to be studied :

- xix. The Hour of Truth (Percival Wilde)

C. GRAMMAR & USAGE

- i. Revision of 'Tense and Aspect'
- ii. Revision of Prepositions and Phrasal Verbs

- iii. Clause-types
- iv. Linking Devices
- v. Word Order and Emphasis

Scheme of Evaluation

There will be a college examination in Alternative English at the end of the First Year. This will be Alternative English Paper -I carrying 100 marks. The final examination to be conducted by CHSE at the end of the second year of the course will consist of one written paper of Alternative English carrying 100 marks. The paper shall test the student's proficiency in English with respect to correctness, appropriacy, tone and style.

Alternative English (1st Year) - (To be evaluated at the college level)

1. Reading Comprehension :

- (a) A prescribed prose piece or extract (5 questions - including inferential questions-are to be answered)
- (b) A prescribed poem/extract (5 questions including inferential questions and those on poetic devices, figures of speech, mood, tone and style etc.)
- (c) A prescribed story / one-act play or its extract (5 questions including inferential questions and those on literary devices, tone etc.)
- (d) An unseen passage of at least 200 words (5 questions including Inferential ones)

2. Reading related skills.

- (a) Guided note making based on the passage 1 (d)
- (b) Cohesive devices

3. Writing skills.

- (a) Summarising an unknown passage as given in 1 (d) with caption
- (b) Reconstruct a story from a given set of questions/fillers/outlines or completion of a story
- (c) Essay writing (including brainstorming, organizing, outlining, writing first draft and revising)

- 4. Grammar and usage (in context) (3 questions on the prescribed grammar units)

Alternative English (2nd year) To be evaluated at CHSE level

1. Reading Comprehension.

- (a) A prescribed prose piece or extract

Arts Stream

(5 questions including inferential questions are to be answered).

- (b) A prescribed poem / extract (5 questions including inferential questions and those on poetic devices, figures of speech, mode, tone and style etc.)
- (c) A prescribed story / one-act play or its extract (5 questions including Inferential questions and those on literary devices, tone etc.)
- (d) An unseen passage of at least 200 words (5 questions including inferential ones)

2. Reading related skills.

Unguided note making (based on the passage given in 1 (d)).

3. Writing skills.

- (a) Designing and writing a brochure / pamphlet
 - (b) Writing dialogues of a face-to-face / telephonic conversation.
 - (c) Rewriting a poem/short story as a different form of discourse i.e. a page of a diary, a newspaper report/article or a script for a play etc.
 - (d) Adding a suitable beginning/ending/title to a given poem/story.
4. Grammar and usage (in context)
(3 questions on the prescribed grammar units including modified cloze tests).

ENVIRONMENTAL EDUCATION

(Compulsory)

The Environmental Education (EE) is incorporated in the New Syllabus of Higher Secondary (+2) students of all streams (Science, Arts & Commerce) from 2006 (admission batch). The theory course shall be taught in 40 periods.

The syllabus is compulsory for all students. To reduce the work-load of students EE will be taught in XI class only. The syllabus shall be of 100 marks of which 70 marks assigned to theory paper and 30 marks for project work.

Questions for theory paper shall be prepared by the Council and examination will be held on a stipulated date fixed by the Council.

The questions for theory paper will be prepared as per the norms of Council as done for all other subjects, 40 marks for short (which also includes objectives) and 30 marks for long questions.

Students are required to answer three long questions one from each unit. Each unit will have 2 questions with internal choice. The short questions (covering all units) will be compulsory.

Each students has to submit a project work positively to the Principals of the respective colleges before Annual Examination.

There shall be 10 project work titles specified in the course and students are free to choose any one of them. A group of teachers will be assigned to guide them. The project shall be evaluated in the respective colleges. The best project (as will be decided by the Principal) may be sent to Council for consideration for award of a special prize.

The grade secured (taking both the theory and project marks) will be reflected in the mark sheet and pass certificate.

(Above 70% - Gr. A⁺, above 60% - Gr. A, above 50% - Gr. B, above 35% - Gr. C and below 35% - Gr. D)

THEORY (70 Marks)

Unit - I

(A) *Man and Environment* 8 Periods

Atmosphere, Lithosphere, Hydrosphere and Biosphere- Human being as a rational social partner in environmental action - Impact of human activities on environment -Environmental Problems of urban and rural areas- Stress on civic amenities, supply of water, electricity, transport and health services.

(B) *Natural Resources* : 6 Periods

Land, water, forest as primary natural resources- Fresh water and Marine resources- Natural resources of Orissa -Concept of Biodiversity and its conservation. Renewable and non- renewable natural resources, Conventional and non- conventional energy.

Arts Stream

Unit - II

Environmental Pollution : 6 Periods

Types of pollution and pollutants Causes, effects and control of air pollution, water pollution; soil pollution and noise pollution, Green house effect, Global Warming, Eutrophication, Ozone layer depletion.

Unit - III

(A) *Environmental Management :* 6 Periods

Scope of Environmental Management- Management of solid, liquid and gaseous wastes -Resource Management- disaster Management (flood, cyclone and earthquake) -Concept of sustainable development- Management of agricultural produce.

(B) *Environmental Laws :* 5 Periods

Constitutional Provisions -Major provisions of Environmental Laws and Pollution Control Laws with particular reference to the Water Act; 1974, the Air Act, 1981, the E(P) Act 1986, CPCB and SPCB- Central and State Pollution Control Boards.

PROJECTS

5 Periods F. M. : 30

1. To study the changes that have taken place in the given land area of a city/Village/locality/market during the last five years in respect of at least five parameters like number of houses, residents and families, food habits, number of household goods in a family, consumption of water, electricity and fuel including that for personal vehicles by a family, sources of noise (public address systems being used, television, radio and vehicles on the road), common facilities like number of schools, hospitals, shops, theatres, public conveyance, public utilities, public transport, number of factories, industries and/or the facilities for production and processing of goods, loss of water bodies, types and quantity of wastes, their disposal and treatment facilities with a view to discuss the patterns of changes and impact on the environment and quality of life. One specific project on these aspects may be to study the changes that have taken place in a given land area during the last five years in respect of the number of houses, residents and families and to prepare a report on the effects on civic amenities like availability of water, electricity and fuel; the drainage system, disposal of wastes Including night soil.
2. To study the environmental profile of a town/ locality/village in respect of population density, green cover, educational level of residents, social problems and sources of pollution and their effect on air, water and soil.
3. To collect data on monthly consumption of electricity and fuel from at least five families, any two commercial establishments and four public utilities in a given locality. To plan strategies for educating consumers to economise on the consumption of electricity and fuel by reducing their over-use, misuse and improper use.
4. To study, for a period of one month, the status of sanitary conditions and methods of waste disposal of a given locality vis-a-vis the role of Panchayat, Municipality or Corporation and to prepare an action plan for making the conditions more environment friendly.

5. To investigate the impact of an industry or a large manufacturing unit on the local environment. The parameters could be land use, the ratio of the covered area and the open space, the raw materials used for production, inputs like electricity and water, the types of waste generated and the modes of waste disposal, use of environment friendly and efficient technology, types of pollutants emitted or discharged, the average health status of the employees and residents in the area.
6. To study the impact of changes in agricultural practices or animal husbandry including poultry, piggery, fishery and apiculture over a period of time on the local environment of a given area or village. The components for analysis may include: types of crops, land area under cultivation, mechanization, use of electricity, mode of irrigation and agrochemicals, agro-waste and their disposal, types of animal breed and their feed, types of shelter and health care, methods of preservation and processing of products and animal wastes and their disposal. To suggest an action plan for modifying the prevailing practices so as to make them environment friendly and sustainable.
7. To collect samples of water from different sources and study their physical characteristics like turbidity, colour, odour; the measure of pH, the nature of suspended and dissolved impurities and pollutants, the presence of toxic materials like mercury, lead, arsenic, fluorine and the presence of living organisms. For testing the presence of toxic materials and living organisms the help of a local laboratory or institution may be taken, if available. To identify the most polluted sample of water and locate the sources of its pollution. To devise an action plan for mobilising public opinion for checking the pollution.
8. To study the practices followed in the region for storage, preservation, transportation and processing of perishable or non- perishable farm products and to assess the extent of their wastage due to faulty practices.
9. To prepare a status report on the prevalence of child labour in a given area through simple surveys on children engaged as domestic help and as workers in farms, commercial establishments and manufacturing units. The survey may be in respect of age group, education, wages, working hours, working conditions, safety in work place, health, handling hazardous materials and the like. Units dealing with hazardous materials and processes may be identified and an action plan for mobilising public opinion against the practice of child labour may be prepared.
10. To conduct a survey of plants in a locality and to collect information about their cultural, economic and medicinal values from the local people and the available literature. To prepare an action plan for their propagation.

Book Prescribed :

Bureau's Higher Secondary (+2) Environmental Education - Orissa State Bureau of Textbook Preparation & Production, Bhubaneswar.



YOGA (Theory)

+2 1st year

Full Marks - 50 Time 2 hrs.
Unit - I 10 marks

CONCEPT YOGA

Meaning, Definition and Scope of yoga, Importance and aim of yoga for the students, Misconception of Yoga

Yoga and Spirituality

Unit - II 10 marks

BASIC PRINCIPLES OF YOGA PRACTICE

Place, Time, Age, Diet, Dress, Do's and Don'ts
Power of Silence

Unit - III 10 marks

BRANCHES OF YOGA

Karma Yoga, Bhakti Yoga, Raja Yoga, Jnana Yoga

Yoga in Srimad Bhagavat Gita

Unit - IV 10 marks

CONCEPT OF ASTHANGA YOGA

Yama, niyama, asana, pranayama, pratyahara, dharana, dhyana and samadhi

Unit - V 10 marks

YOGA AND PERSONALITY DEVELOPMENT

Meaning, Definition of Personality

Dimension of Personality: physical, mental, emotional, intellectual and spiritual. Personality Development in relation to external world civic, social, patriotic and global consciousness. Concept of Personality According to swami Vivekananda and Sri Aurobindo.

The grade secured taking together both the theory and Project/Practical marks will be reflected in the Marks sheet and the pass certificate of the Council.

Grade A⁺ = 70% above, Grade B⁺ = 60% and Grade B = 50% above, Grade C = 35% and Grade D = before 35%

Books Prescribed : An Introduction to Yoga, ଯୋଗ ପରିଚୟ

Published by Orissa State Bureau of Textbook Preparation and Production



YOGA (Practical)

+2 2nd year

Full Marks - 50 Time 2 hrs.
Unit - I 20 marks

ASANA

PRILIMINARY PRACTICES : Greeva Sanchalana, skandha chakra (shoulder rotation), purna, titali asana (full butterfly), marjari asana (car stretch pose), Surya Namaskara

STANDING POSTURE : Tadasana, tiryak tadasana, katichakrasana pada-hastasana, ardha chakrasana, ardhakati chakrasana, ekapada pranamasana, garudasana, natarajasana.

SITTING POSTURE : padmasana janusirasana, paschimottanasana, supta vajrasana, shashankasana, ustrasana, ardhmatsyendrasana.

PRONE LYING POSTURE : shalabhasana, bhujangasana, dhanurasana.

SUPINE POSTURE : uttanapadasana, supta pawanamuktasana, naukasana, halasana, sarvangasana, matsyasana, chakrasana.

Unit-II (10 marks)

RELAXATION : savasana, yoganidra

Unit - III (10 marks)

PRANAYAMA : Priliminary practices: abdominal, thoracic, clavicular and full yogic breathing kapalabhati, nadisodhana, bhramari seetali/seetkari

Unit - IV and Unit - V (10 marks)

MEDITATION : Antarmouna - sensorial awareness : (sound, touch, vision, smell, taste), breath awareness, awareness of the spontaneous thought process.

Unit-V

KRIYA : Trataka (internal and external)

For +2 1st year 50 marks theory examination and For +2 2nd year 50 marks practical examination but in 1st year and 2nd year students will learn practical

BASIC COMPUTER EDUCATION

+2 1st Year

UNIT-I

Computer Fundamentals : Necessity and uses of computer, what is computer?, Computer as a system, problem and problem solving technique, Important terminology, Input-Output devices, types of computer, (Digital, Analog, Hybrid, Super computer, Main Frame, Mini, PC, Note Book, and Laptop). Generation of Computer, Computer Memory, (Main, Secondary, Virtual. Buffer, Cache,) Computer Languages and its types.

8 Hours

UNIT-II

Operating System: types, software, Dos and Windows : Fundamentals and Commands , Security and Anti-virus

Introduction to MS_OFFICE:

MS- WORD: Creating a File, setting and typing text, page formatting, editing, printing, saving the files, creating Folders , Insertion tables and objects, Bulleted, Page Numbering, spell check, indenting , paragraph setting and mail merge, CD writing.

MS-EXCEL: Spread sheet and its uses , an introduction, formatting work sheet, setting columns/Rows, range, Format, protect, sorting, types of graphs, functions and formula, printing text, copying and saving the document.

MS-POWER POINT : Features, Uses, Menus, Toolbars, creating a presentation through auto context wizard, templates, manual slides show, saving, deleting, opening a presentation, Editing.

MS-ACCESS: Data base, data base Management system, RDBMS, advantages and limitations of MS-Access, parts, tables, integrity constraints, relationship and designing tables.

15hours

UNIT-III

INTERNET AND COMPUTER SECURITY:

Introduction to Internet, net browsing, Emails, Networking and its types, topology, computer crime, components required for internet, saving and printing the web files.

APPLICATIONS: in Education, Medical Science, Business, Entertainment, Social services and Research etc. 7 hours

For +2 1st year 50 marks theory examination and For +2 2nd year 50 marks practical examination.

TOTAL HOURS: 30 (THEORY) AND 10 HOURS (PRACTICAL).

+2 2nd Year

PRACTICALS :

DOS, Windows, MS-Office, web page, browsing, sending and creating a mail

The grade secured taking together both the theory and Project/Practical marks will be reflected in the Marks sheet and the pass certificate of the Council.

Grade A+ = 70% above, Grade A = 60% and Grade B = 50% above, Grade C = 35% above and Grade D = below 35%

[ELECTIVE SUBJECTS]

LANGUAGE ODIA

ଇଚ୍ଛାଧୀନ (ଓଡ଼ିଆ), କଳାସ୍ରୋତ ନିମନ୍ତେ
ପ୍ରଥମ ବର୍ଷ - ସାରସ୍ୱତ ସରଣୀ - ୧ମ ଭାଗ

ପୂର୍ଣ୍ଣସଂଖ୍ୟା-୧୦୦

ସମୟ-ମାତ୍ରା

ପିରିଅଡ ସଂଖ୍ୟା - ସାପ୍ତାହିକ - ୫ (ବାର୍ଷିକ - ୮୦)

ପ୍ରଥମ ଏକକ - କାବ୍ୟ - (୨୦ ପିରିଅଡ)

୨୫ ନମର

୧. କୀର୍ତକ ବଧ - ଗଙ୍ଗାଧର ମେହେର

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଗୀତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଗୀତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଗୀତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ । ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ଦ୍ୱିତୀୟ ଏକକ - ଉପନ୍ୟାସ (୨୦ ପିରିଅଡ)

୨୫ ନମର

୧. କାଳାନ୍ତର - ସୁରେନ୍ଦ୍ର ମହାନ୍ତି

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଗୀତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଗୀତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଗୀତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ । ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ତୃତୀୟ ଏକକ - ନାଟକ (୨୦ ପିରିଅଡ)

୨୫ ନମର

୧. ଜୟମାଲ୍ୟ - ଭଞ୍ଜକିଶୋର ପଟ୍ଟନାୟକ

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଗୀତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଗୀତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ । ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର

- ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
 ଶାନ୍ତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
 ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ
 ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ ।
 ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ଚତୁର୍ଥ ଏକକ - ବ୍ୟାକରଣ - (୨୦ ପିରିଅଡ୍) ୨୫ ନମର

- ୧. ରିପୋର୍ଟ ପ୍ରସ୍ତୁତି, ଅଥବା ସମାଦ ଲିଖନ
- ୨. ବାକ୍ୟ - ସରୁପ ଓ ପ୍ରକାରଭେଦ
- ୩. କାରକ ବିଭକ୍ତି
- ରିପୋର୍ଟ ପ୍ରସ୍ତୁତି ଅଥବା ସମାଦ ଲିଖନରୁ ଦୁଇଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ଗୋଟିକର ଉତ୍ତର ଦେବାକୁ ହେବ । ମୂଲ୍ୟ - ୮ ନମର
- ବାକ୍ୟ ପରିବର୍ତ୍ତନ - ସରଳ, ଜଟିଳ ଓ ଯୌଗିକ ଆଦି ୮ ଗୋଟି ପ୍ରଶ୍ନ ପଡ଼ିବ ସେଥିରୁ ୫ ଗୋଟିର ଉତ୍ତର ଦେବାକୁ ହେବ । ମୂଲ୍ୟ ୨x୫=୧୦ ନମର
- କାରକ ଓ ବିଭକ୍ତି ଚିହ୍ନାଇବା ପାଇଁ ୧୦ ଗୋଟି ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୭ ଗୋଟିର ଉତ୍ତର ଦେବାକୁ ହେବ । ମୂଲ୍ୟ - ୧x୭ = ୭ ନମର

ଇଚ୍ଛାଧୀନ ଓଡ଼ିଆ (OPTIONAL - ODI A)

ଦ୍ୱିତୀୟ ବର୍ଷ - ସାରସ୍ୱତ ସରଣୀ - ୨ୟ ଭାଗ

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା - ୧୦୦ ସମୟ - ୩ ଘଣ୍ଟା

ପିରିଅଡ୍ ସଂଖ୍ୟା - ସାପ୍ତାହିକ -୫ (ବାର୍ଷିକ -୮୦)

ପ୍ରଥମ ଏକକ - କବିତା (୨୦ ପିରିଅଡ୍) ୨୫ ନମର

- ୧. ପଦ୍ମ - ମଧୁସୂଦନ ରାଓ
- ୨. ପଲ୍ଲୀଚିତ୍ର : ବର୍ଷା - ନନ୍ଦକିଶୋର ବଳ
- ୩. ଶେଫାଳି ପ୍ରତି - କୁନ୍ତଳା କୁମାରୀ ସାବତ
- ୪. ଫୁଟାଇବୁ ଆଜି ରକ୍ତ ପ୍ରଭାତ - ଅନନ୍ତ ପଟ୍ଟନାୟକ
- ୫. ଖୋରଧା ପ୍ରଥମ ଦର୍ଶନେ - ପଦ୍ମଚରଣ ପଟ୍ଟନାୟକ
- ୬. ଜାତିର ଡାକ - କୃଷ୍ଣଚନ୍ଦ୍ର ତ୍ରିପାଠୀ
- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
 ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଶାନ୍ତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
 ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଶାନ୍ତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
 ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଶାନ୍ତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
 ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଡ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ
 ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ ।
 ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ଦ୍ୱିତୀୟ ଏକକ - ପ୍ରବନ୍ଧ (୨୦ ପିରିଅଡ୍) ୨୫ ନମର

- ୧. ସୌନ୍ଦର୍ଯ୍ୟ ଓ ପ୍ରେମ - ଶଶିଭୂଷଣ ରାୟ
- ୨. ଜାତୀୟତା ଭିତ୍ତିଭୂମି - ନୀଳକଣ୍ଠ ଦାସ
- ୩. ସଂପର୍କ - ଚିତ୍ତରଂଜନ ଦାସ

Arts Stream

୪. ନୂଆ ମଣିଷ - ଶରତ କୁମାର ମହାନ୍ତି

- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଗୀତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଗୀତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଗୀତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ ।
ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ତୃତୀୟ ଏକକ - ଗଳ୍ପ (୨୦ ପିରିଅଡ)

୨୫ ନମର

୧. ଧୂଳିଆ ବାବା - ଫକୀର ମୋହନ ସେନାପତି ।
୨. ଝଡ଼ର ଇଗଲ ଓ ଧରଣୀର କୃଷ୍ଣସାର - ଅଶ୍ରୁକ ମୋହନ ପଟ୍ଟନାୟକ ।
୩. ମିମିର ସଂସ୍କୃତି ଶିକ୍ଷା - ବାମାଚରଣ ମିତ୍ର ।
୪. ଗୋପପୁର- ରାମଚନ୍ଦ୍ର ବେହେରା

- ୫. ଚରିତ୍ର - ଦେବେନ୍ଦ୍ର ଲେଙ୍କା
- ଏହି ଏକକରୁ ୨ଟି ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୧ଟିର ଉତ୍ତର ୧୫୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୮ ନମର
- ଗୀତି ୩ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୩୦ ଶବ୍ଦରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୩x୨=୬ ନମର
- ଗୀତି ୨ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ୨ଟି ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୨x୨=୪ ନମର
- ଗୀତିର ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ୨ଟିର ଉତ୍ତର ଗୋଟିଏ ବାକ୍ୟରେ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ ୧x୨=୨ ନମର
- ୫ଟି ୧ ନମର ବିଶିଷ୍ଟ ପ୍ରଶ୍ନ ପଢ଼ିବ । ପ୍ରତ୍ୟେକ ପ୍ରଶ୍ନ ପାଇଁ ୪ଟି ଲେଖାଏଁ ସମ୍ଭାବ୍ୟ ଉତ୍ତର ଦିଆଯିବ । ସେଥିମଧ୍ୟରୁ ପରୀକ୍ଷାର୍ଥୀ କେବଳ ଠିକ୍ ଉତ୍ତରଟି ବାଛି ଲେଖିବେ । ଏହାର ମୂଲ୍ୟ ୧x୫=୫ ନମର

ଚତୁର୍ଥ ଏକକ - ବ୍ୟାକରଣ (୨୦ ପିରିଅଡ)

୨୫ ନମର

୧. ଅଳଙ୍କାର - ଯମକ, ଶ୍ଳେଷ, ଉପମା, ରୂପକ, ଉତ୍ପ୍ରେକ୍ଷା, ବ୍ୟତିରେକ
୨. କୃଦନ୍ତ ତତ୍ତ୍ୱ
୩. ପ୍ରତିଶବ୍ଦ
୪. ବନାନ ଶୂଦ୍ଧି

- ଅଳଙ୍କାରରୁ ୨ଟି ପ୍ରଶ୍ନ ପଢ଼ିବ, ଏଥିରୁ ୧ଟିର ଲକ୍ଷଣ ଓ ଉଦାହରଣ ସହି ବୁଝାଇ ଦେବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୬ ନମର
- କୃଦନ୍ତ ତତ୍ତ୍ୱରୁ ୮ ଗୋଟି ଶବ୍ଦ ପଢ଼ିବ । ସେଥିରୁ ୬ଟିର ପ୍ରତ୍ୟୟ ଯୋଗ ଦର୍ଶାଇବାକୁ ହେବ ।
ଏହାର ମୂଲ୍ୟ - ୧x୬=୬ ନମର
- ପ୍ରତିଶବ୍ଦରୁ ୫ଟି ପ୍ରଶ୍ନ ପଢ଼ିବ । ସେଥିରୁ ଗୀତିର ଦୁଇଟି ଲେଖାଏଁ ପ୍ରତିଶବ୍ଦ ଲେଖିବାକୁ ହେବ
ଏହାର ମୂଲ୍ୟ - ୨x୩=୬ ନମର
- ୮ ଗୋଟି ଶବ୍ଦ ମଧ୍ୟରୁ ୬ ଟି ଶବ୍ଦର ଠିକ୍ ବନାନ ଲେଖିବାକୁ ହେବ
ଏହାର ମୂଲ୍ୟ - ୧x୬=୬ ନମର

HINDI
ELECTIVE
FIRST YEAR

Full Mark : 100

Time : 3 Hours

There shall be one paper carrying 100 marks. The duration of Examinations will be three hours.

DISTRIBUTION OF MARKS
GROUP - A (OBJECTIVE TYPE)

- | | |
|---|-------------------|
| 1. Multiple Choice (From I,II & IV units) | 1 x 10 = 10 marks |
| 2. One word answer (-do-) | 1 x 10 = 10 marks |
| 3. Correct the Sentences (-do-) | 1 x 5 = 5 marks |
| 4. Fill in the Blanks (-do-) | 1 x 5 = 5 marks |

GROUP - B (SHORT TYPE)

- | | |
|---|------------------|
| 5. Write notes on any five (From all units)
(Answer in two to three Sentences) | 3 x 5 = 15 marks |
| 6. Explain only .. (From unit I & II)
(Only Bhavarth) | 5 x 3 = 15 marks |

GROUP - C (LONG TYPE)

- | | |
|--|-------------------|
| 7. Four Long questions (From I, II & III units)
(Eight questions to be asked) | 10 x 4 = 40 marks |
|--|-------------------|

Total = 100 marks

Unit -I (उपन्यास खण्ड) 22 Classes

पाठ्य पुस्तक : गबन (संक्षिप्त)

Unit -II (नाटक खण्ड) 22 Classes

पाठ्य पुस्तक : ध्रुवस्वामिनी - जयशंकर प्रसाद,

Unit -III (साहित्यिक विधाएँ) 22 Classes

उपन्यास, कहानी, नाटक, संस्मरण, रिपोर्ताज, जीवनी, आत्मकथा ।

Unit -IV (व्याकरण) 16 Classes

1. मुहावरे और कहावतें
2. लिंग और वचन

अनुमोदित ग्रन्थ :

1. साहित्य सहचर - आचार्य हजारी प्रसाद द्विवेदी, लोकभारती प्रकाशन, इलाहाबाद ।
2. साहित्य परिचय - डा. त्रिलोचन पाणिग्राही, शबनम पुस्तक महल, कटक ।
3. हिन्दी व्याकरण और रचना - वासुदेव नन्दन प्रसाद, भारती भवन पटना ।

SECOND YEAR

Full Mark : 100

Time : 3 Hours

There shall be one paper carrying 100 marks. The duration of Examinations will be three hours.

DISTRIBUTION OF MARKS
GROUP - A (OBJECTIVE TYPE)

- | | |
|---|-------------------|
| 1. Multiple Choice (From I,II & IV units) | 1 x 10 = 10 marks |
| 2. One word answer (-do-) | 1 x 10 = 10 marks |
| 3. Correct the Sentences (-do-) | 1 x 5 = 5 marks |
| 4. Fill in the Blanks (-do-) | 1 x 5 = 5 marks |

Arts Stream

GROUP - B (SHORT TYPE)

5. Write notes on any five (From all units) (Answer in two to three Sentences) 3 x 5 = 15 marks
6. Explain only .. (From unit I & II) (Only Bhavarth) 5 x 3 = 15 marks

GROUP - C (LONG TYPE)

7. Four Long questions (From I, II & III units) (Eight questions to be asked) 10 x 4 = 40 marks

Total = 100 marks

Unit -I (पद्य खण्ड) 32 Classes

पाठ्य पुस्तक : रश्मि रथी - रामधारी सिंह दिनकर

Unit -II (निबंध खण्ड) 20 Classes

पाठ्य पुस्तक : निबन्ध संचयन - डा. रवीन्द्रनाथ मिश्र

Portions to be studied :

1. क्रोध आचार्य रामचन्द्र शुक्ल
2. शिरीष के फूल... आचार्य हजारी प्रसाद द्विवेदी
3. आधुनिक नारी महादेवी वर्मा
4. इन्सपेक्टर मातादीन चाँद पर... हरिशंकर परसाई

Unit -III (कहानी खण्ड) 18 Classes

पाठ्य पुस्तक : कहानी संकलन... डा. राधाकान्त मिश्र

Points to be studied :

1. कफन .. प्रेमचन्द
2. खेल ... जैनेन्द्र कुमार
3. मलवे का मालिक ... मोहन राकेश
4. सजा.... मन्नू भण्डारी

Unit -IV (व्याकरण) 18 Classes

(क) कृदन्त, तद्धित, क्रिया और कर्ता का अन्वय

(ख) हिन्दी अपठित

अनुमोदित ग्रन्थ :

1. हिन्दी व्याकरण और रचना - वासुदेव नन्दन प्रसाद,
2. शुद्ध हिन्दी कैसे लिखें - डा. राजेन्द्र प्रसाद सिंह
3. व्याकरण दीपिका - डा. बनमाली दास

BENGALI

ELECTIVE FIRST YEAR

There shall be one paper carrying 100 marks and of three hours duration in elective Bangali in the first year consisting of four units.

The examination of the first year shall be conducted at the end of the XI class at college / H.S. School level.

Detailed Study : (To be taught in the 1st Year)

Unit - I

Poetry :

Naibedya - Rabindranath Tagore the following

Pieces to be studied –

1. Pratidina Ami He Jibonswami
10. Jara kache Ache.
20. Tomaro pataka Jare dao
27. Dehe Ar Mare prane
50. E Durbhagya Desh Hote

Unit - II

History of Bengali Literature

Topics to be taught :-

Charyapada, Kabikankan Mukundaram and Chaitanya Sahitya

Unit - III

Short - Story

Bangla Galpa Sangraha - Mahashareta Devi

Pieces to be taught :

1. Chhuti - Rabindranath Tagore
2. Mahesh - Sarat Ch. Chattopadhyay
3. Adarini - Pravat Kr. Mukhopadhyay
4. Kalapahar - Tarasankar Bandopadhyay

Unit - IV

Grammar :

Proverb and Idioms Common errors in words.

Marks distributions :

Unit - I

Two Long question with alternative

One Explanation/short type question with alternative

Arts Stream

Unit - II

One Long question

One Short questions/Explanation

Unit - III

One long question

One short Ans type question

Unit - IV

Grammar

Proverb & Idioms

Errors

SECOND YEAR

There shall be one paper carrying 100 marks and of three hours duration in elective Bangali in the first year consisting of four units.

The examination of the first year shall be conducted at the end of the XII class at college / H.S. School level.

Detailed Study : (To be taught in the 1st Year)

Unit - I Poetry :

Naibedya - Rabindranath Tagore

Pieces to be studied –

30. Bairagya Sndhna Mukti

45. Je Bhakti Tomare Loye

60. Ekada E Bharater

72. Chitta Getha Bhayashunya

90. Mrityno Angyata Mor

Unit - II

History of Bengali Literature

Topics to be taught :-

History of Bengali Prose to be incorporated, Tarasankar &

Manik Banodopadhay

Unit - III Short - Story

Bangla galpa Sangraha - Mahasweta Devi

Pieces to be taught :

1. Kabuliorala - Rabindranath Tagore

2. Abhagir Swarga - Sarat Chandra Chattopadhyay

3. Madhu Master - Tarasankar

4. Puimacha - Bibhuti Bhusan Bandopadhyay

Unit - IV Grammar :

Alankar- Anupras, Yamak, Slesha, Upama, Rupak, Utprekshya

Marks distributions :

Unit - I Poetry

Two Long question with alternative
One Explanation/short type question
with alternative

Unit - II History of Bengali Literature

Two Long question with alternative

Unit - III Short Story

Two long question with alternative

Unit - IV Grammar

- (i) Defination
(Short Answer type Question)
- (ii) Eassy

TELUGU

**ELECTIVE
FIRST YEAR**

Time 3 hours

No of Periods : Weekly-5

Full Marks 100

Yearly 80

There shall be one paper carrying 100 marks of 3 hours duration consisting of four units. The examination shall be conducted at the end of First Year of college/H.S.School level.

DISTRIBUTION OF MARKS :

Group- A (Objective Type)

- | | | |
|----|---|----------------|
| 1. | Thirty very short questions (from unit I, II & III) | 30x1 =30 Marks |
| 2. | Ten very questions (from unit IV- A) | 10x1=10 Marks |

Group- B (short Type Questions)

- | | | |
|----|--|--------------|
| 3. | Six short questions(from Unit I, II & III) | 6x2=12 Marks |
| 4. | Four explanation (only Bhavartha from unit I & II) | 4x2=8 Marks |
| 5. | Five short questions (from Unit IV-A) | 5x2=10 Marks |

Group -C (Long Type Questions)

- | | | |
|----|--|--------------|
| 6. | Three long questions with alternative | 3x7=21 Marks |
| 7. | Letter writing /essay with alternative(from unit iv-B) | 1x9=9 Marks |

TOTAL

100 marks

TOPICS TO BE STUDIED :

UNIT – I POETRY: (20 periods)

- | | | | |
|----|----------------------|---|--------------------------|
| 1. | Satyabhama santwanam | - | Nandi Timmana |
| 2. | Kinnera nadakulu | - | Viswanadha satyanarayana |
| 3. | Shankranti | - | Tummala Seetarama Murty |
| 4. | Sainikudi Uttaram | - | Balagangadhara Tilak |
| 5. | Lakuma tyagam | - | Dr.C.Narayana Reddy |

UNIT – II PROSE : (20 periods)

- | | | | |
|----|---|---|-------------------------------|
| 1. | Maharastrulu Andhra Bhasa seva | - | Vidvan Vemuri Venkata ramayya |
| 2. | Margadarsi Gurajada | - | Khandavalli Lakshmi ranjanam |
| 3. | Kala Purnodayamu Katha Samvidhana Vaichitri | - | Dr.G.V.Krishna rao |
| 4. | Gramanama Vignanam | - | Dr. Singupuram Narayana Rao |

UNIT – III NON – DETAIL : (16 periods)

- | | | |
|----------|---|---------------------|
| Devayani | - | Chundi Venkanna Rao |
|----------|---|---------------------|

UNIT – IV A) GRAMMAR : (16 periods)

Chandassu : Utpalamala, Champakamala, Sardhulam, Mattebham, Kandamu, Tetageeti, Ataveladi.

Alankaramulu : Upama, Rupaka, Utpreksha, Ardhataranyasa, Atisayokti, Swabhavokti, Anuprasa,

B) History of Telugu Literature: (08 periods)

Some knowledge about the following poets and their writings. Nannaya, Tikkana, Yerrapragada, Sreenadha, Potana, Rayalu, Tenali Ramakrishna, Vemana, Kandukuri, Gurajada, Rayaprolu, Sri Sri.

BOOKS PRESCRIBED :

1. **Poetry & Prose :** **SAHITEE MANJARI**
- By Dr. Singupuram Narayana Rao
2. **Non-Detail :** **DEVAYANI**
- By Chundi Venkanna Rao
3. **Grammar :** **Vyakarana parijatamu**
- By Dr. Singupuram Narayana Rao
4. **History of Telugu :
Literature :** **Sahity Parichayamu**
- By Dr. Singupuram Narayana Rao

TELUGU
ELECTIVE
SECOND YEAR

Time 3 hours

No of Periods: Weekly-5

Full Marks 100

Yearly 80

There shall be one paper carrying 100 marks of 3 hours duration consisting of four units. The examination shall be conducted at the end of Second Year at Council level.

DISTRIBUTION OF MARKS

Group- A (Objective Type)

- | | | |
|----|---|----------------|
| 1. | Thirty very short questions (from unit I, II & III) | 30x1 =30 Marks |
| 2. | Ten very questions (from unit IV- A) | 10x1=10 Marks |

Group- B (short Type Questions)

- | | | |
|----|--|--------------|
| 3. | Six short questions(from Unit I, II & III) | 6x2=12 Marks |
| 4. | Four explanation (only Bhavartha from unit I & II) | 4x2=8 Marks |
| 5. | Five short questions (from Unit IV-A) | 5x2=10 Marks |

Group -C (Long Type Questions)

- | | | |
|----|---------------------------------------|--------------|
| 6. | Three long questions with alternative | 3x7=21 Marks |
| 7. | Re-translation (from unit IV-B) | 1x9=9 Marks |

TOTAL

100 marks

TOPICS TO BE STUDIED :

UNIT – I POETRY : (20 periods)

- | | | | |
|----|---------------------|---|-------------------------|
| 1. | Prahlada Charitra | - | Bammera Potana |
| 2. | Sri kalahasteeswara | - | Dhurjati |
| 3. | Vasanta vikasam | - | Rayaprolu Subbarao |
| 4. | Mallela madugu | - | Puripanda Appala Swami |
| 5. | Samunmeshamu | - | Jandhyala Papayya Sasti |

UNIT – II PROSE : (20 periods)

- | | | | |
|---|---------------------------------|---|-------------------------------|
| 1 | Desabhimanam | - | Kandukuri Veeresalingam |
| 2 | Reddi Yugamu-Andhra Vaknamayamu | - | Mallampalli Somasekhara Sarma |
| 3 | Abhyudaya Sahityam | - | Kodavatiganti Kutamba Rao |
| 4 | Maha kavi Gurajada | - | Dr. Singupuram Nayayana Rao |

UNIT – III NON – DETAIL : (16 periods)

- | | | |
|--------|---|------------------------------|
| Varadu | - | Dr. Kandimalla Sambashivarao |
|--------|---|------------------------------|

UNIT – IV A) GRAMMAR : (16 periods)

Samskruta Sandhulu : Savarnadeergha , Guna, Yanadesa, Anunasika, Pararupa,

Telugu Sandhulu : Dvirukta takara, Gasadadavadesa, Saraladesa, Amredita, Trikataveladi, Tetageeti

Samasamulu : Tatpurusha, Karmadharaya, Dvigu, Dwandva, Bahuvreehi, Avyayeebhava.

B) LITERARY FORMS :(08 periods)

Itihasamu, Puranamu, Kavyamu, Kadhanika, Navala, Vyasamu, Jeevita Charitra, Ekankika, Satakamu, Yaksha ganamu.

BOOKS PRESCRIBED :

- 1) **Poetry & Prose :** **Sahitee Koumidi**
-By Dr. Singupuram Narayana Rao
- 2) **Non-Detail :** **Varadu**
-By Kandimalla Sambhashivarao
- 3) **Grammar :** **Vyakarana Parijatamu**
-By Dr. Singupuram Narayana Rao
- 4) **Literary Forms :** **Sahitya Parichayamu**
- By Dr. Singupuram Narayana Rao

URDU
ELECTIVE
FIRST YEAR

Total Classes-80

Time- 3hrs

F.M-100

There shall be one paper carrying 100 marks consisting of 3(three) groups and duration of examination will be of 3(three) hours at the college/Higher secondary school level.

Distribution of Marks

Group-A

30 marks

Answer all Question

- Q1. (i) One short question from the prose portion carrying 5 marks from the text book Tanweer-E-Adab. 15 marks
(ii) One Short question from the Drama Portion carrying 5 marks
(iii) One short question from the novel portion carrying 5 marks.
- Q.2 (i) Comprehension with literary appreciation of an unseen passage of about 100 wards followed by five questions to be answered carrying 2 marks each 2x5= 10 marks
(ii) Correct the sentences-- five questions to be answered
Carrying one mark each 1 x 5=5 marks

Group-B

40 marks

Short Type Answer

- Q.3 Answer within two/three sentences
(i) Rustam O Sohrab : Six questions to be answered out of eight questions 6 x 2 = 12 marks
(ii) Tanweere- Adab : Five questions to be answered Out of six questions 5 x 2 = 10 marks
Total = 22 marks
- Q.4 Answer with in six sentences
Numainda Mukhtasar Afsane : Six questions to be answered out of eight questions 3 x 6 = 18 marks
30 Marks

Group-C

Long Type Answer

- Q.5 Four questions to be answered out of six questions
From the books Numainda Mukhtasar Afsane
And Firdous Bareen or, Nirmala
Books Prescribed – Prose 30 Classes
1. TANWEER- E- ADAB
By Sagir Ahmed Jaan
Only chawtha daur and panchuan daur
Books Prescribed- Drama 15 Classes

2. Rustam-O-Sohrab
By Agha Hashar

SHORT STORIES

Books Prescribed

20 Classes

3. Numainda Mukhtasar Afsane
By Azimuddin.

Portions to be studied

- (i). I.C.S, (ii) Jine Ke Liye, (iii) Kalesahab, (iv) Foot path, (v) Athara Ane, (vi) Sirf Ek Ana.

NOVELS

Books Prescribed

15 Classes

4. (i) Firdous Barin :
By Abdul Halim Sharar
(ii) Nirmala :
By prem Chand

Arts Stream

SECOND YEAR

Time – 3 hrs

Total Classes-80

F.M- 100

There shall be one paper carrying 100 marks consisting of 3 (three) Groups and duration of examination will be of 3(three) hours at the Council level.

Distribution of Marks

Group-A

30 Marks

Answer all questions

15 Marks

- Q.1 (i) One short question from the life and style of the poet carrying 5 (five) marks from the book Kalam- E-Mir
(ii) one short question from the non-details portion carrying 5(five) marks from the book Chand Ham Asar.
(iii) One short question from the Masnavi portion carrying 5 (five) marks from the book Kalam-E-Mir.
- Q.2 (i) Comprehension with literary appreciation of an unseen Passage of about 100 words followed by five questions to be answered carrying 2 mark each
(ii) Correct the sentences five question to be Answered carrying 1(one) mark each

2x 5= 10 marks

1x 5 = 5 marks

Total = 15 Marks

Group-B

40 Marks

Short Type Answer

- Q.3 Answer with in 15(fifteen) to 20(twenty) words
“ Chand Ham Assr” 7 (Seven) Chapters
Eleven questions to be answered out of
Fourteen questions

11 x 2 = 22 marks

Arts Stream

Q.4 Kalam- E- Mir : Six Ashaar explanation to be answered
Out of eight Ashaar

3 x 6 = 18 marks

Group- C

30 Marks
Long Type Answer

Q.5 Four questions to be answered out of six questions from the books
illmulbalaghat and urdu- Zaban-o- Qawaid Part-I

Books Prescribed

1. Kalam- E- Mir 35 Classes
By Dr Abdul Haque or Abdul Mannan Bedil
Portion to be studied
- a. Life and style of the poet.
b. Ghazaliyat “ Radif Alif and Yaa”
c. Masnavi
i. Jhoot, ii. Duniya, iii. Gharki Barbadi, iv. Mienh Ki Tugyani, v. Ghar Ka Haal.

Non Details Studies

2. Books Prescribed 15 Classes
Chand Ham Asar
By Maulana Abdul Haque

Portions to be studied

- i. Sayed Mehmud Marhoom
ii. Maulvi Chairag Ali Marhoom
iii. Maulana Waheedudin Salim
iv. Gudrika Laal, Noor Khan
v. Mohsenul Mulk
vi. Maulana Mohammad Ali Marhoom
vii. Hali

3. Grammar and Qawaid 30 Classes
a. Illmulbalaghat

Portions to be studied .

- i. Tashbeeh, ii. Istiara, iii. Kinaya, iv. Talmeeh, v. Miratun Nazir, vi. Husn-E-Talab, vii. Tazad,
viii. Taaliel, ix. Mobaligha, x. Majaz
b. Urdu Zaban –o- Qawaid Part-I
By Shafi Ahmed Siddiqui

Portions to be studied.

- i. Sabque aur lahaque
ii. Tazkir- O- Tanis
iii. Mutazad Alfaz
iv. Mahawara.



SANSKRIT**ELECTIVE
FIRST YEAR**

*There shall be one paper carrying 100 marks.
The examination shall be of 3 hours duration.*

COURSE STRUCTURE

<u>UNIT</u>	<u>CLASSES REQUIRED</u>	<u>MARKS ALLOTTED</u>
Unit - I Poetry	25	26 Marks
Unit - II Prose	20	26 Marks
Unit - III History of Sanskrit Literature and Translation	15	23 Marks
Unit -IV Grammar	10	25 Marks
Total 80 Classes		Total 100 Marks

PORTIONS TO BE STUDIED**Unit - I**

**Poetry : Kumarasambhavam of Kalidasa
[Canto V]**

कुमारसम्भवम् - पञ्चमः सर्गः

Unit - II

Prose :

Sanskrutamandakini (Gadyabagah)

संस्कृतमन्दाकिनी (गद्यभागः)

The following prose pieces from the above mentioned book are to be studied.

1. उपमन्युकथा (Upamanyukatha)
2. परहितसाधनम् (Parahitasadhanam)
3. मुद्रिकाप्राप्तिः (Mudrikapraaptih)
4. चन्द्रभूपतिकथा (Candrabhupatikatha)
5. ससेमिराकथा (Sasemirakatha)

Arts Stream

6. ध्रुवोपाख्यानम् (Dhruvopakhyanam)
7. विभीषणस्य रावणं प्रति उपेदशः (Vibhisanasya Ravanam prati upadesah)

Unit - III

History of Sanskrit Literature and Translation

A) History of the following authors and their works are to be studied.

01. वाल्मीकि Valmiki
02. व्यास Vyasa
03. कालिदास Kalidasa
04. भास Bhasa
05. विष्णुशर्मा Visnusarma
06. पण्डित नारायण Pandita Narayana
07. चाणक्य Canakya
08. जयदेव Jayadeva
09. विश्वनाथकविराज Visvanathakaviraja
10. मुरारि मिश्र Murari Misra

B) Translation of Textual Sanskrit Sentences into Odia/English are to be done

Unit - IV

Grammar: (Textual and out side the text /General)

A) Gramer (Textual)

- i) समास (Samasa)
- ii) कारक-विभक्ति (Karakavibhakti)
- iii) प्रकृति-प्रत्यय (Prakrtipratyaya)

B) Grammar (General/out side the text)

- i) कृदन्त- (Krdanta) शतृ, शानच्, तव्य, अनीयर्, क्त, क्तवतु, क्त्वा, ल्यप्, तुमुन्, क्तिन्, ल्युट्, घञ्, खल्
- ii) तद्धित -(Taddhita) अण्, त्व, तल्, मयट्, इन्, मतुप्, यत्
- iii) वाच्यपरिवर्तन (Vacyaparivartana)
- iv) वाक्यरचनम् (Sentence formation)

v) भ्रमसंशोधन (Correction of sentences)

vi) णिजन्त-(Nijanta) -भू, स्था, पठ्, गम्, कृ, दा, ज्ञा, पा, नी

BOOKS RECOMMENDED

01. संस्कृतमन्दाकिनी - Published by Odisha State Bureau of Textbook Preparation and Production.
02. संस्कृत-साहित्य-इतिहास - History of Sanskrit Literature By A. B. Keith, Published by Odisha State Bureau of Textbook Preparation and Production.
03. व्याकरणदर्पणः Published by Odisha State Bureau of Textbook Preparation and Production
04. संस्कृत-कवि-परम्परा : -do-
05. Kumarasambhavam(Canto-V) of Kalidasa.
कुमारसम्भवम् - पञ्चमः सर्गः

SANSKRIT
ELECTIVE
SECOND YEAR

Time - 3 hrs

F.M. -100

There shall be one paper carrying 100 marks.
The duration of Examination will be of 03 hours.

COURSE STRUCTURE

<u>UNIT</u>	<u>CLASSES REQUIRED</u>	<u>MARKS ALLOTTED</u>	
Unit - I	Drama (Acts -1, 2, 3 & 4)	20	25
Unit - II	Drama (Acts- V & VI)	15	25
Unit - III	Poetry	20	25
Unit -IV	Grammar from and outside the text	15	15
Unit-V	Translation from outside the text	10	10
(From English/Odia into Sanskrit)			
Total		80 Classes	100 Marks

PORTIONS TO BE STUDIED

Unit -I

Drama :
Svapnavasavadattam of Bhasa
स्वप्नवासवदत्तम्
(Act-I, II, III & IV)

Unit - II

Drama
Svapnavasavadattam of Bhasa
स्वप्नवासवदत्तम्
(Acts-V & VI)

Unit - III

Poetry:

Samskrtamandakini(Padyabhagah)

संस्कृतमन्दाकिनी (पद्यभागः)

The following poetry pieces from the above mentioned book are to be studied.

1. चाणक्यनीतिः (Canakyanitih) Verses 01 to 24
2. रघुवंशम् (Raghuvamsam) Verses 01 to 20
3. दमयन्तीस्वयंवरः (Damayantisvayamvarah)

Unit - IV**Grammar from and outside the text.****A) Gramer (Textual)**

- i) कारक-विभक्ति (Karakavibhakti)
- ii) सन्धि (Sandhi)
- iii) सन्धिविच्छेद (Sandhiviccheda)
- iv) समास (Samasah)

B) Grammar (General / out side the text)

1. शब्दरूप (Sabdarupa)
 - i) पुल्लिङ्ग -Pumlinga - देव, कवि, पति, सखि, भ्रातृ, पितृ, वणिक्, सम्राट्, गच्छत्, भवत्, महत्, सुहृद्, राजन्, गुणिन्, पथिन्
 - ii) स्त्रीलिङ्ग - Strilinga- लता, मति, नदी, स्त्री, वधू, मातृ, दिश, विपद्
 - iii) क्लीवलिङ्ग -Klivalinga- फल, वारि, अक्षि, मधु, कर्मन्, नामन्, पयस्
 - iv) सर्वनाम -Sarvanama- तद्, किम्, इदम्, सर्व, युष्मद्, अस्मद्
 - v) संख्यावाचक-Samkhyavacaka - एक, द्वि, त्रि, चतुर, पञ्चन्
2. धातुरूप (Dhaturupa) - भू, गम्, दृश्, कृ, पठ्, अस्, ज्ञा, नी, पा, प्रच्छ, लभ्, दा, विद्, पूज्
3. स्त्रीप्रत्यय (Stripratyaya)

Unit - V

Translation (General) from English/Odia into Sanskrit are to be worked out.

BOOKS RECOMMENDED

01. संस्कृतमन्दाकिनी - Published by Odisha State Bureau of Textbook Preparation and Production.
02. संस्कृत-साहित्य-इतिहास - History of Sanskrit Literature By A. B. Keith, Published by Odisha State Bureau of Textbook Preparation and Production.
03. व्याकरणदर्पणः- Published by Odisha State Bureau of Textbook Preparation and Production
04. संस्कृत-कवि-परम्परा : -do-
05. स्वप्नवासवदत्तम् भासकृत

QUESTION PATTERN AND MARK-DIVISION

SANSKRIT (ELECTIVE)

TIME:03 Hrs

2nd Year

FULL MARKS : 100

GROUP - A

1. Multiple Choises : 1x15 = 15

MARK-DIVISION

: Drama	- 1x5 = 5
:Poetry	- 1x4 = 4
: Sabdarupa	- 1x2 =2
:Dhaturupa	- 1x2 = 2
: Karaka Vibhakti	- 1x2 = 2 (from the text)

Q.2. One word Answer / Correction / Fill up the Blanks : 1x15 =15

MARKDIVISION

: Drama	- 1x3 = 3
: Poetry	- 1x3 = 3
: Ekapadikaranam (Stripratya)	- 1x2 = 2
: Sandhi	- 1x2 = 2
:Sandhiviccheda	- 1x2 = 2
: Samasa	- 1x3 = 3 (from the text)

GROUP - B

Q.3. Short Type Answer (within 2/3 sentences / 12words) : $2 \times 11 = 22$

MARKDIVISION : Drama - $2 \times 4 = 8$
: Poetry - $2 \times 2 = 4$
: Translation from English
/ Odia in to Sanskrit - $2 \times 5 = 10$

Q.4. Short Type Answers (with in 25words) : $3 \times 6 = 18$

MARKDIVISION : (a) Drama - $3 \times 4 = 12$ (Out of 05 Qs)
(b) Poetry - $3 \times 2 = 06$ (Out of 03 Qs)

GROUP - C

Q.5. LONG TYPE ANSWERS (with in 08 sentences / 40 words)

$7 \frac{1}{2} \times 4 = 30$ (04 out of 06Qs.)

- a,b,c) Drama (Long Questions = 03 Nos)
d) Poetry (Long Question = 01 No)
e) Explanation (one from Drama)
f) Explanation (one from Poetry)

N.B.- The questions may be answered in Sanskrit or Oriya or English if not otherwise specified.

HISTORY
FIRST YEAR
ELECTIVE
HISTORY OF THE WORLD

Unit - I

1. Contributions of river valley civilization : Egypt, Mesopotamia and China. 9
2. (i) Ancient Greece : Rise of city states - Athens and Sparta, Evolution of democracy, the age of pericles. 4
- (ii) Ancient Rome : Society and Government, Julius Ceasor - Achievements. 4
- (iii) Major religious : Christianity and Islam. 4

Unit - II

1. Feudalism in Europe : Features, Merits and Demerits. 4
2. Science and Changing cultural traditions in Europe (14th to 17th century) : New ideas and new trends in Science, literature and Art. 4
3. European Voyages of Explorations. (15th to 17th Century) 4

Unit - III

1. Industrial Revolution - Innovations and technological change. its Impact 4
2. American War of Independence : Causes and consequences. 4
3. French Revolution of 1789 : Causes and Significance. 6

Unit - IV

1. Formation of Nation States : Italy and Germany. 6
2. First World War : Causes. 4
3. Russian Revolution of 1917 : Causes and effects. 5

Unit - V

1. Events leading to the Second World War, emergence of New world Order : Cold War, NATO, CENTO and end of the Cold War. 9
2. United Nations : Origin, Objectives and Structure. 4
3. Non-Alignment Movement, Regional Cooperation in Asia - SAARC, ASEAN, Trend towards global economy. 6



HISTORY
SECOND YEAR
ELECTIVE
HISTORY OF THE INDIA

Unit - I

- | | | |
|----|---|---|
| 1. | History : Meaning and Relevance. | 2 |
| 2. | Sources of Indian History : Archaeological, Literary, Foreign Accounts, Archival. | 5 |
| 3. | Foundation of Indian Culture : | |
| | (a) Harappan Culture : Geographical Extent, Town planning and structures, Agriculture, Domestication of animals, Technology and Craft, Trade and Religious practices. | 5 |
| | (b) Rig Vedic and Later Vedic Age : Socio-economic life, Political Organisation and Religious Beliefs, Ramayana and Mahabharat. | 8 |

Unit - II

- | | | |
|----|--|---|
| 1. | Religions Movements of sixth century B.C. Jainism and Buddhism : Teachings, Contributions to Indian Culture. | 6 |
| 2. | Kalinga War, Mauryan Administration. | 4 |
| 3. | Cultural Attainment of the Gupta Age. | 4 |

Unit - III

- | | | |
|----|---|---|
| 1. | Delhi Sultanate : Nature of the state, social structure, position of women. | 3 |
| 2. | Sufi and Bhakti movements : Tenets Impact on Indian Society. | 4 |
| 3. | Culture of the Mughal Age : Social structure position of women, Architecture, Paint Din-i-Lahi. | 5 |
| 4. | Vijaya Nagar Empire : Krishna Deva Ray | 2 |

Unit - IV

- | | | |
|----|--|----|
| 1. | The Revolt of 1857 : Nature, Causes and Consequences. | 5 |
| 2. | British Economic Policies in India (1757 - 1857) : Commercial Policy, Drain of Wealth, Development of Means of Transport and Communication, Land Revenue Policy. | 4 |
| 3. | Mahatma Gandhi and the Nationalist Movement | 10 |
| | (a) Non-Co-operation Movement and its response in Odisha. | |
| | (b) Civil-Disobedience Movement and its response in Odisha. | |
| | (c) Quit India Movement and its response in Odisha. | |

Unit - V

- | | | |
|----|--|---|
| 1. | Great Rulers of Odisha - Kharavela, Chodaganga Deva and Kapilendra Deva. | 5 |
| 2. | Emergence of Modern Odisha. | 8 |
| | (a) Formation of the Province of Odisha. | |
| | (b) Merger of the Princely states of Odisha. | |

Total - 80 Periods



POLITICAL SCIENCE

The Subject of Political Science consists of two Papers --I and II. Paper-I is to be taken up in +2 1st year Class and Paper –II in +2 2nd year Class. Each Paper carries 100 marks. Equal treatment is to be given to each Unit of each Paper in the Class Room and Question Paper. Objective, Short and Long types of questions shall be asked in the Examination. About 20 periods may be allotted to each Unit of each Paper.

The aims of both the Papers are:

- i) To acquaint the students with important concepts, institutions, principles, provisions and processes of Politics and Political Science;
- ii) To enable the students to acquire knowledge about Power, State, Government, Constitution and such other significant themes of Political Science;
- iii) To develop possible skill and expertise among students towards making them apprentice scholars of Political Science and aspiring citizens of the State and
- iv) To facilitate the knowledge domains of understanding, comprehension, reflection, analysis and application in students required for the appreciation of the theory and practice of Politics and Political Science.

Paper-I

Unit-I Foundations of Politics and Government

(A) Introducing Political Science

- i) Political Science- Meaning, Scope and Nature; Relationship of Political science with Politics, History, Economics, Sociology and Philosophy;
- ii) State – Meaning, Elements and Necessity; Distinction between State and Society, State and Government, State and Association and State and Nation.

(B) Changing Nature of State Activity

- i) Individualism- Meaning, Background and Evaluation;
- ii) Welfare State- Meaning, History and Estimate;
- iii) Globalisation- Meaning, Background and Assessment; U.N- Objectives and Roles;
- iv) Civil Society- Meaning and Role.

Unit-II

(A) Understanding Constitution

- i) Constitution: Meaning, Types and Importance;
- ii) Constitution of India: Preamble, Salient Features and Procedure of Amendment.

(B) Machinery of State-I

- i) Theory of Separation of Powers
- ii) Legislature: Functions and Types
- iii) Union Legislature: Parliament of India - Composition and Functions; State Legislatures – Composition and Functions of Odisha Legislative Assembly

Unit-III Machinery of State-II

- i) Executive- Functions and Types
- ii) Executive in India- President, Prime Minister, Council of Ministers, Governor and Chief Minister
- iii) Judiciary – Function and Importance
- iv) Judiciary in India- Supreme Court, High Courts, Judicial Review, Judicial Activism and Independence of Judiciary
- v) Bureaucracy- Meaning and Role

Unit-IV Basic Concepts

- i) Law – Meaning, Sources and Types
- ii) Liberty- Meaning and Types
- iii) Equality- Meaning and Types
- iv) Justice- Meaning and Types
- v) Rights- Meaning and Types; Meaning and Importance of Human Rights
- vi) Citizenship- Meaning and Types
- vii) Peace- Meaning and Importance
- viii) Development : Meaning and Models.

Paper-II

Democracy, Nation Building and Ideologies

Unit-I Democratic Process-I

- i) Democracy-Meaning, Types, Characteristics, Estimate and Conditions for the successful working of Democracy
- ii) Authoritarianism- Meaning, Features, Types and Criticism
- iii) Fundamental Rights, Directive Principles of State Policy and Fundamental Duties as provided in the Constitution of India; Right to Information

Unit-II Democratic Process-II

- i) Political Parties- Meaning, Functions and Party Systems
- ii) Parties and Party System in India- Nature and General Characteristics
- iii) Public Opinion- Meaning and Agencies; Freedom of the Press
- iv) Election Commission of India- Composition and Functions; Electoral Reforms
- v) Democratic Decentralization and Grassroots Democracy in India- Panchayati Raj and Urban Local Bodies

Unit-III Issues in Nation Building

- i) Nationalism – Meaning and Importance; and Role of the Freedom Struggle of India
- ii) India's Foreign Policy- Basic Principles
- iii) Unitary State and Federation- Meaning and Importance; Federalism in India
- iv) Constitutional Strategy for National Integration in India- Secularism, Social Justice and Economic Development
- v) Major Challenges to National Integration in India- Regionalism, Casteism, Communalism and Terrorism

Arts Stream

Unit-IV Key Political Ideologies

- i) Liberalism
- ii) Marxism
- iii) Gandhism
- iv) Feminism

Reading List

- 1) +2 Political Science (Paper-I, Paper-II) Books of Odisha State Bureau of Text Book Preparation and Production (Bhubaneswar) in updated and revised versions.
- 2) Rajeev Bhargava and Ashok Acharya (Ed.)- Political Theory (New Delhi: Pearson/Longman)
- 3) Indian Constitution at work(New Delhi: NCERT)
- 4) Politics in India Since Independence (New Delhi: NCERT)
- 5) S.K Chaube- The Making and Working of the Indian Constitution (New Delhi: NBT)
- 6) Subhash Kashyap- Our Parliament (New Delhi: NBT)
- 7) RIGHT TO INFORMATION(Bhubaneswar: Gopabandhu Academy of Administration)
- 8) Political Theory (New Delhi, NCERT)

In the times of Knowledge Texts and Multiple Texts students can also choose their own lists which they find useful and value adding.



LOGIC

Elective

Objective of the Course :-

To give the basic ideas about the Logic Reasonings and to train the young minds to learn various forms of Reasonings so that they will be able to identify Valid reasonings. They will also learn the relation of Logic with Language.

There shall be two papers for class – XI and Class – XII, each consisting of 100 marks. Each paper is divided into four units. The students are instructed to answer the questions within three hours in the prescribed pattern given below :

Group A Objective type	Total – 30 Marks
1. Multiple Choice	1x10=10
2. Answer in one word	1x10=10
3. Correct the sentences or Fill in the blanks	1x10=10
Group B Short type	Total – 40 Marks
4. Answer in two or three sentences	2x11=22
5. Explain or Distinguish between (any six)	3x06=18
Group C Long type	Total – 30 Marks
Answer any four questions	4x7 ½ =30

Grand Total : 100 marks for each paper

FIRST YEAR

Unit – I	12 periods
Nature of Logic : Definition of Logic, Structure of Argument, Sentence and Proposition, Truth and Validity, Sound and unsound Argument, Principles of Logic.	
Logic and Language : Uses of Language, Words and Terms, Denotation, Connotation & Extension.	
Unit – II	15 periods
Definition and Meaning : Denotative definition, Ostensive definition, Connotative definition (definition by genus and differentia).	
Propositions : Classification of propositions, Reduction to Logical form, Distribution of terms, Sevenfold relation of propositions, Square of oppositions.	
Unit – III	30 periods
Nature, Problem and Procedure of Induction : Induction and Deduction, Primary and Secondary induction, Procedure of induction, Problem of induction.	
Induction and Probable Inference : Scientific induction, Induction by simple enumeration, Analogy, Statistical syllogism.	
Formal Grounds of Induction : Law of Uniformity of Nature, Law of causation, Qualitative and Quantitative marks of causation, Cause and Condition, Different views of causation, Plurality of causes, Conjunction of causes, Intermixture of effects.	

Arts Stream

Unit – IV

10 periods

Material Grounds of Induction : Observation and Experiment.

Hypothesis : What is Hypothesis? Conditions of Legitimate hypothesis Proofs of Hypothesis.

Books Prescribed :

1. Bureau's Higher Secondary +2 Logic Part – I.
2. ବ୍ୟୁତ୍ପତ୍ତି ଉଚ୍ଚମାଧ୍ୟମିକ +୨ ଚର୍ଚ୍ଚଣାସ୍ତ୍ର, ପ୍ରଥମ ଭାଗ ।

Published by Orissa State Bureau of Textbook Preparation and Production, Bhubaneswar.

SECOND YEAR

2. (i) An

Unit –I

25 periods

The Theory of Inference : Classification of Inference, conversion, Obversion, Categorical Syllogism, Structure, Figure, Moods, Rules of Syllogism, Determination of valid mood, Special Rules of Figures, Aristotle's Dictum, Direct and Indirect Reduction.

Unit –II

20 periods

Mixed Syllogism: Different forms, Hypothetical – Categorical, Alternative-Categorical, Disjunctive-Categorical, Dilemma : Forms , Refutation, Rebuttal of Dilemma.

Fallacies : Informal Fallacies, Fallacy of Relevance, Fallacy of Presumption, Fallacy of Ambiguity.

Inductive Fallacies : Fallacy of Illicit generalization, False analogy, Extra logical fallacies, Ignoratio Elenchi.

Unit –III

06 periods

Propositional Logic : Symbolic Logic and its characteristics, Propositional variable, Logical constants, Propositional connectives, truth functions, construction of Truth tables, Testing of validity by direct truth tabular methods.

Unit –IV

14 periods

Methods of Experimental Enquiry – Mill's Five Experimental methods.

Scientific Explanation : Scientific Explanation,

Nyaya Syllogism and its Structure

Books Prescribed

1. Bureau's Higher Secondary +2 Logic Part – I & II.
2. ବ୍ୟୁତ୍ପତ୍ତି ଉଚ୍ଚମାଧ୍ୟମିକ +୨ ଚର୍ଚ୍ଚଣାସ୍ତ୍ର, ପ୍ରଥମ ଓ ଦ୍ୱିତୀୟ ଭାଗ ।

Published by :

Orissa State Bureau of Textbook Preparation and Production, Bhubaneswar



ECONOMICS

PAPER-I

Indian Economic Development and Elementary Statistics

1. **Status and Structure of Indian Economy** **[10 periods]**
 - ❖ Status of Indian Economy on the eve of Independence.
 - ❖ Basic characteristics of Indian economy.
 - ❖ Structural changes in the Indian economy; Relative contributions of Primary, Secondary and Tertiary sectors.
 - ❖ Infrastructure and its role in the Indian economy - Economic Infrastructure (Energy, Transport and Communications), Social Infrastructure (Education and Health).
2. **Sectoral Development, Planning and Economic Reforms.** **[15 periods]**
 - ❖ Agriculture - its importance, causes of low productivity, and Green Revolution; Present Agricultural situation.
 - ❖ Industry - its importance, Industrial policy of 1948, 1956 and 1991.
 - ❖ Foreign trade - its role, composition and direction, Export-import Policy.
 - ❖ Objectives goals of Five Year Plans.
 - ❖ Economic Reforms since 1991 - need, main features of Liberalisation, Privatisation and Globalisation.
3. **Current challenges facing the Indian Economy.** **[15 periods]**
 - ❖ The population problem - Demographic features, causes of population growth, adverse effects of population growth, and population control.
 - ❖ Poverty - Absolute and Relative poverty, causes of poverty, and poverty alleviation programmes.
 - ❖ Unemployment - Types of unemployment, causes of unemployment and measures to solve them.
 - ❖ Inflation - problems and policies.
 - ❖ Sustainable Development - Meaning, indicators, effects of economic growth on environment, and the problem of global warming.
4. **Introductory Statistics.** **[15 periods]**
 - ❖ Meaning, scope, importance and limitations of statistics.
 - ❖ Sources of statistical data - Primary and Secondary, NSSO and Census of India as sources of secondary data
 - ❖ Methods of data collection - census and sampling methods and their relative merits and demerits.
 - ❖ Meaning and types of variables, frequency distribution.
 - ❖ Tabular and Diagrammatic presentation of data, Bar diagram, Pie diagram, Histogram, Polygon, Ogive, Time series graph.
5. **Statistical Methods.** **[15 periods]**
 - ❖ Measures of Central Tendency —Simple and weighted arithmetic mean, median and mode.
 - ❖ Measures of dispersion -Absolute measures: Range, Quartile Deviation, Mean Deviation and Standard Deviation and their merits and demerits.
 - ❖ Relative Measures : Coefficient of Range, Quartile Deviation, Mean Deviation and Standard Deviation.
 - ❖ Lorenz Curve : Meaning and application.
 - ❖ Correlation - Meaning, Types, Karl Pearson's Method of computing correlation coefficient in the context of 2-variable ungrouped data.



PAPER-II
Elementary Micro and Macro Economics

1. Basics of Microeconomics and Consumer Behaviour. [13 periods]
 - ❖ Meaning of Economics and Microeconomics.
 - ❖ Central problems of an Economy - Scarce Resources and Choice; What; how and for whom to produce ?
 - ❖ Basic concepts - Human wants, Utility, Goods, Value, Price and Wealth.
 - ❖ Laws of Consumption - Marginal and Total utility, Law of Diminishing Marginal Utility, Law of Equimarginal utility.
 - ❖ Demand - Meaning and determinants, Law of demand, Movement along and shifts in demand curve, Price elasticity of demand and its determinants.
2. Production, Cost, Revenue, Supply and Forms of Market. [15 periods]
 - ❖ Meaning of production and production function; Total, Average and Marginal Product; Law of Variable Proportions.
 - ❖ Cost - Money and Real cost; Implicit and Explicit cost; Opportunity Cost; Fixed and Variable costs; Total, Average and Marginal costs in the short run and their relationship.
 - ❖ Revenue- Total, Average and Marginal Revenue and their relationship.
 - ❖ Supply - Meaning and Law of supply.
 - ❖ Market - Meaning; Forms of Market: Pure and Perfect competition, Monopoly, Monopolistic Competition and Oligopoly; Price Determination under perfect competition; market price and normal price.
3. Distribution. [7 periods]
 - ❖ Meaning of Distribution, Ricardian Theory of Rent and Quasi-Rent, Money and Real Wages, Determinants of Real wage, Causes of Wage Differences, Gross and Net Interest, Gross and Net Profit, Constituents of Profit.
4. Introductory Macroeconomics. [20 periods]
 - ❖ Meaning of Macroeconomics, Difference between Macro-and Micro-Economics.
 - ❖ National Income - Meaning and Aggregates related to National Income (GNP, GDP, NNP and NDP at Factor Cost and Market Price), National Disposable Income (Gross and Net), Private Income, Personal Income, Personal Disposable Income, Real and Nominal GDP, GDP and Welfare, Circular Flow of Income in a Two sector Economy, Methods of Computing National Income : Product (Value added), Income and Expenditure Methods.
 - ❖ Income Determination - Aggregate Demand and its Components, Aggregate Supply, Simple Keynesian Theory of Income Determination,
5. Money, Banking and Public Finance. [15 periods]
 - ❖ Definition and functions of money.
 - ❖ Meaning and functions of commercial Banks, Functions of Central Bank.
 - ❖ Meaning of Public Finance, Sources of Public Revenue, Concepts of Revenue and Capital Expenditure, Plan and Non-Plan Expenditure, Developmental and Non-Developmental Expenditure.
 - ❖ Meaning and objectives of Government Budget, Difference between balanced and unbalanced budgets, surplus and deficit budgets.



STATISTICS

ELECTIVE FIRST YEAR

There shall be two theory papers in statistics, each of three hours duration, carrying 70 marks in first year and 70 marks in second year and two practical papers carrying 30 marks in first year and 30 marks in second year respectively each of three hours duration.

The examination at the end of the first year will be conducted at the college/H.S. School level and examination at the end of second year will be conducted at the council level.

Pattern of Questions :

Group - A Objective type

1. Multiple choice questions (Compulsory)
2. Very short questions (Compulsory)

Group - B Short answer questions

(8 questions to be answered out of 12)

Group - C Long answer questions

(3 questions to be answered unit wise

out of 6, 2 questions will be set up from each unit)

THEORY DETAILED SYLLABUS

The following topics will be taught

70 Marks

(3 hours duration)

30 Marks (30 periods)

Unit-I

(a) Basic Mathematics :

Permutations and combinations, Binomial theorem, logarithmic and exponential series.

(b) Probability - I :

Definition of probability: classical, empirical and axiomatic approach, Sample space and events, Correspondence between sets and events, Probability by direct enumeration, Laws of addition and multiplication, Conditional probability and independent events.

(c) Probability - II

Bayes rule and its application, pairwise independence and mutual independence of events, Mathematical expectation of random variable, Laws of addition of expectation, Multiplication law of expectation for independent random variable, variance of sum of random variables,

Unit -II

Statistical methods

20 marks (30 periods)

Definition, Scope and limitations of statistics, Collection of data: Primary and secondary data, classification of data according to attributes and variables.

Tabulation of data, one-way and two-way tables.

Presentation of data : Diagrams, graphs and charts, Simple, multiple, sub-divided and percentage

Arts Stream

bar diagram, pie diagram, pictogram and cartograms, histogram, frequency polygon, frequency curve and ogives.

Frequency distribution Measures of central tendency and measures of location, arithmetic mean, geometric mean, harmonic mean, median, mode, Quartiles, deciles and percentiles.

Measures of dispersion :

Range, Inter-quartile range, Quartile Deviation; mean absolute deviation, standard deviation co-efficient of variation and Lorenz curve.

Moments, skewness and kurtosis :

Raw and central moments of various orders, skewness and its different measures, kurtosis, Beta one (β_1) Beta two (β_2) Gamma one (γ_1) and gamma two (γ_2) measures.

UNIT - III

a) Sampling methods: 20 marks (30 periods)

Sample, population, sampling units, sampling frame, Principal steps in sample survey, Census versus sample survey. Idea about questionnaires and schedules, sampling & non-sampling errors, Elementary idea on simple random sampling with and without replacement.

Methods of drawing random sampling: Lottery method and random number tables, Estimation of population mean and population total, Variance of these estimates. -

(b) Stratified sampling:

Elementary idea on stratified random sampling, Proportional and optimum allocation. Estimation of population mean and population total, Variance of these estimates.

(c) Statistical system in India :

Statistical organizations in the Union and State governments, Agricultural statistics (Area, yield and Land Utilization statistics), Population Census National Sample Survey Organization.

Books Prescribed:

1. Bureau's Higher Secondary +2 Statistics, Part-I

Published by Orissa State Bureau of Textbook Preparation and Production, Bhubaneswar.

SECOND YEAR

(TO BE COVERED IN SECOND YEAR)

The following topics will be taught,

(3 hours duration)

Unit - IV

TIME SERIES : 20 marks (15 periods)

Definition, uses and components of time series, measurement of trend: Freehand, semi-average, moving average and least squares methods, Measurement of Seasonal fluctuations : simple averages, Ratio to trend, Ratio to moving average and link relative methods.

Unit - V

Index Number : 25 marks (20 Periods)

Need, meaning & uses of index number. important steps in the construction of Index Number. Problems in selection of items, base year, average and system of weighting. Weighted index number. Laspeyre's, Paasche's and Fisher's ideal index numbers. Time Reversal. Factor Reversal and circular tests,

Base shifting, splicing and Deflating of index number, Cost of living index numbers-construction & uses.

Unit - VI

25 marks (30 Periods)

- a) Bivariate frequency distribution, simple correlation, Rank correlation (including ties), linear regression, Regression co-efficients and their properties. Probability Distributions: Binomial and Poisson distributions with properties and applications (computation of mean and variance only)
- b) Normal probability distribution, its properties and applications (mathematical proof excluded), Elementary ideas on testing of hypothesis, large samples tests based on normal distribution (mean, variance and proportion).

Books Prescribed:

1. Bureau's Higher Secondary +2 Statistics, Part-II

Published by Orissa State Bureau of Textbook Preparation and Production, Bhubaneswar.

**PRACTICAL
FIRST YEAR**

The candidate is required to answer any four out of six questions to be set. Each question carries six marks.

Solution of Problems

Record

Viva

Graphical representation of data-Histogram, frequency polygon and cumulative frequency curve, Bar diagram, pie diagram, Arithmetic mean, median, Mode, G.M and Harmonic mean, partition values, standard deviation, mean absolute deviation, coefficient of variation, moments, skewness & kurtosis.

SECOND YEAR

The candidate is required to answer any three question out of the five questions to be set. Each question carries eight marks.

Solution of Problems -

Record -

Viva -

Measurements of trend by moving averages and by least squares (straight line only) method. Measurement of seasonal fluctuations (simple average, Ratio to moving averages, Ratio to trend and link relative methods)

Computation of index numbers by weighted average of price relatives, Laspeyres, Paasche's and Fisher's formula; coefficient of correlation, Regression co-efficients and regression lines.

N.B. : Uniformly the practical records should be maintained in blue/black ink/ball pen by the students.



MATHEMATICS

+2 first Year

- | | |
|---|--------------------|
| Unit-I | 25 periods |
| (A) Logic: | (6 periods) |
| (i) Statements, negation, conjunction, disjunction, conditional, biconditional and their truth tables. | |
| (ii) Tautology and equivalence of statements, implications and double implications. | |
| (iii) Converse, Inverse, Contrapositive. | |
| (iv) Different methods of proof with emphasis on method of mathematical induction. | |
| (B) Sets : | (3 periods) |
| Proofs of commutative, associative and distributive properties of set union and intersection, Difference and symmetric difference of sets. | |
| De Morgan's laws. | |
| Cardinality of sets, similar sets, cartesian product of sets, cartesian plane and its representation by $\mathbb{R} \times \mathbb{R}$. Representation of 3-dimensional space by $\mathbb{R} \times \mathbb{R} \times \mathbb{R}$. | |
| (C) Real number system and Inequalities : | (6 periods) |
| Natural numbers and Integers, Arithmetic of Integers, Prime numbers, Rational and Irrational numbers, Real numbers, Algebraic properties of real numbers, ordering in \mathbb{R} , Absolute value, Triangle inequality, $AM \geq GM$, Inequality (simple cases). | |
| Solution of linear inequation in one variable. | |
| (D) Quadratic Polynomials : | (4 periods) |
| (i) Roots of quadratic polynomial, factorisation of quadratic polynomial. | |
| (ii) Maximum and minimum values of quadratic polynomial for all real values of the variable. | |
| (iii) Sign of quadratic polynomial for real values of the variable. | |
| (iv) Solution of quadratic inequations. | |
| (v) Graph of Quadratic polynomial of the form $ax^2 + bx + c = 0$, $a \neq 0 \in \mathbb{R}$. | |
| (E) Complex number system : | (6 periods) |
| (i) Complex number and their algebraic properties, Argand plane and geometrical representation of complex numbers, modulus, argument and conjugate of complex numbers. Triangle inequality. | |
| (ii) Square roots of a complex number, cube roots of unity and their properties. | |
| (iii) Statement and proof of De-Moivre's theorem for integral index : Statement for rational index and its application. | |

Unit-II**(25 periods)****(A) Relation (6 periods)**

- (i) Definition, domain and range of a relation, inverse of a relation, types of relation.
- (ii) Relation in a set, equivalence relation, congruence modulo relation on the set of integers.
- (iii) Equivalence classes and partition of a set through examples only.

(B) Function : (6 periods)

- (i) Definition, domain, range of a function, injective, surjective and bijective functions.
- (ii) Equality of functions, composition of functions, inverse of a function, odd and even functions,
- (iii) Real valued function of a real variable.
- (iv) Domain, range and graph of the following functions with simple properties, trigonometric and inverse trigonometric functions,
 a^x , $\log_a x$ for $a > 1$ and $0 < a < 1$, e^x ; $\ln x$, $|x|$ $[x]$, $\text{sgn}(x)$.

(C) Limit and continuity : (7 periods)

Limit of function (ϵ - δ definition only), left-hand limit, right hand limit, infinite limit, limit at infinity, Algebra of limits (without proof), continuity, limits and continuity of trigonometric functions, a^x , $\log_a x$ and composite functions. (Details of proof for continuity, of a^x , $\log_a x$ and composite functions excluded)

(D) Differentiation :(6 periods)

Derivatives, its geometrical and physical meaning, algebra of derivatives, derivatives of algebraic polynomial and trigonometric functions from first principle, relation between continuity and differentiability.

Unit-III**(25 periods)****(A) Trigonometry : (11 periods)**

- (i) Periodicity of trigonometric functions.
- (ii) Trigonometric ratios of compound, multiple and submultiple angles and standard trigonometric formulae.
- (iii) Trigonometric equations and their general solutions,
- (iv) Properties of triangles,
- (v) Inverse trigonometric functions.

(B) Sequence and series :(6 periods)

- (i) Definition of sequence and series.
- (ii) Infinite geometric series, Arithmetico-geometric series.
- (iii) Exponential and logarithmic series.

Arts Stream

(C) Statistics : (4 periods)

Measures of dispersion, mean deviation, standard deviation and variance, co-efficient of variation, co-efficient of co-rrrelation.

(D) Number system : (4 periods)

- (i) Decimal, binary, octal and hexadecimal number systems,
- (ii) Conversion of a number from one system to the other,
- (iii) Binary arithmetic.

Unit-IV

(25 Periods)

Co-ordinate Geometry of two Dimensions.

(a) Straight line : (11 periods)

Rectangular co-ordinate system, distance and division formula, Area of a triangle, slope of a line, Angle between lines.

Locus of an equation and equation of a locus.

Equation of a straight line in different forms. Reduction of the general form to different forms.

Distance of a point from a line. Condition for concurrency of three straight lines.

Family of straight lines, equation of bisectors of angles between two straight lines,

Pair of straight lines of the forms :

$$ax^2 + 2hxy + by^2 = 0$$

$$\text{and } ax^2 + 2hxy + by^2 + 2gx + 2fy + c = 0$$

Angle between the pair of straight lines.

Change of axes (translation only).

(b) Circle : (6 periods)

Definition and equation of a circle. Tangent and Normal to a circle. Condition of tangency. System of circles, (Angle between two circles and condition of orthogonality) Equation of a circle in parametric form.

(c) Conic Section : (8 periods)

Standard cartesian form of equation of parabola, ellipse and hyperbola, and their equations in parametric form. Equations of tangents and normals. Condition of tangency, rectangular and conjugate hyperbolas.

DISTRIBUTION OF QUESTIONS
FIST YEAR (MATHEMATICS)

Unit/Topic	Objective type (1 marks each) (Compulsory)	Short Answer (3 marks each) (Compulsory)	Long type (6 marks each) internal choice)
Unit-I			
a. Logic	1	1	1
b. Set	1	1	-
c. R & Ineq	1	1	1
d. Qua. Poly	1	-	1
e. Complex num.	1	1	1
Unit-II			
a. Relation	1	1	1
b. Function	1	1	1
c. Limit & cont.	2	1	1
d. Diff.	1	1	1
Unit-III			
a. Trigon	2	1	2
b. Seqs series	1	1	1
c. Statistics	1	-	1
d. Numb. sys.	1	2	-
Unit-IV			
a. St. line	2	2	2
b. Circle	1	1	1
c. Conic Sect.	2	1	1
	<u>20</u>	<u>16</u>	<u>16</u>

To Answer

Objective type	20 x 1 marks	=	20 marks Q 1 & Q 2.
Shortanswer	16 x 2 marks	=	32 marks Q 3, 4, 5, 6
Long type	8 x 6 marks	=	<u>48 marks Q 7, 8, 9, 10</u>
		=	<u>100 marks</u>

+2 IInd Year**Unit-I****25 periods****(A) Differential Calculus : (12 periods)**

Derivatives of composite functions (chain rule), Inverse trigonometric functions, Implicit functions, exponential and logarithmic functions, Logarithmic differentiations, Derivatives of functions represented by parametric forms, successive differentiation. Leibnitz theorem (Statement only) Partial derivatives, Euler's theorem (without proof) and its simple applications.

(B) Applications of Derivatives : (13 periods)

Rate of change, Increasing and decreasing functions, tangents and normals, approximations, maxima and minima (simple problem), Rolle's theorem, Lagrange's and Cauchy's Mean value Theorem (without proof) Geometrical interpretations of Rolle's and Lagrange's theorem and their simple applications, Indeterminate forms, L Hospital's rule (without proof) and its applications.

Unit-II

(25 periods)

(A) Integral Calculus (10 periods)

Anti derivatives, Indefinite integrals, Standard integration formulae, algebra of integrals, Integration by method of substitution, by parts, by partial fractions and integration of rational and irrational algebraic functions and trigonometric functions. Definite-integral, fundamental theorem of integral calculus (Statement only), Elementary properties of definite integrals, Walli's formula. Evaluation of areas of plane regions bounded by simple curves using definite integral.

(B) Differential Equations : (6 periods)

Definition, order, degree, general and particular solutions of a differential equation, formation of differential equation. Solutions of differential equations by method of separation of variables, homogeneous differential equations of first order and first degree, linear differential equations of the form.

$$\frac{dy}{dx} + p(x)y = q(x) \mid \text{solutions of differential equations of the form } \frac{d^2y}{dx^2} = f(x).$$

Unit-III

(25 periods)

(A) Vectors : (8 periods)

Vectors and scalars, Types of vectors, algebra of vectors, position vector of a point. Resolution of a vector into components.

Scalar (dot) product of two vectors and its geometrical meaning, Commutative and distributive properties of dot product, vector (cross) product and its geometrical meaning, properties of vector product (without-proof)

Scalar triple product and vector triple product with simple applications.

(B) Three Dimensional Geometry (10 periods)

Co-ordinate axes and co-ordinate planes, co-ordinates of a point, distance between two points, division formula. Direction cosines and direction ratios of a line.

Projection of line segment on another line, Angle between two lines.

Definition of a plane and its equations in different forms. Transformation of the general form to normal form. Angle between two planes, Distance of a point from a plane, System of planes.

Equation of a plane bisecting the angle between two planes. Symmetrical and un-symmetrical form of equation of a line and transformation of unsymmetrical form to symmetrical form.

Condition of co planarity of two lines, Angle between a line and a plane, Distance of a point- from a line.

Definition and equation of a sphere in standard form. Sphere through four non-coplanar points.

Equation of a sphere when end points of a diameter are given.

(C) Linear Programming (7 periods)

Introduction to Linear Programming Problem (LPP), Graphical solution of system of linear equations in two variables. (upto three constraints)

Unit-IV

(25 periods)

(A) Determinants and Matrices : (9 periods)

- (i) Determinants upto order three, Minors and Co-factors, properties of determinants, Cramer's rule.
- (ii) Matrices, Algebra of matrices, transpose and inverse of a matrix, solution of system of linear equations in two or three variables by matrix inversion method.

(B) Permutation, Combination and Binomial Theorem : (8 periods)

- (i) Counting principle, Permutations and combinations (with and without repetition)
- (ii) Statement of Binomial theorem for any rational index and proof of this theorem for positive integral index and identities involving binomial co-efficients.

(C) Probability : (8 periods)

- (i) Basic concepts of probability
- (ii) Conditional probability and independence
- (iii) Compound events
- (iv) Random variable and probability Distribution (Binomial distribution only)

**DISTRIBUTION OF QUESTIONS
SECOND YEAR (MATHEMATICS)**

Unit-I

a. Diff calc	1	5/7	a or b
b. Appl	1		

Unit-II

a. Int. Calc	1	5/7	a or b
b. Diff Equ	1		

Unit-III

a. Vectors	1		
b. 3 D	2	5/8	a or b
c. LP	-		or c

Arts Stream

Unit-IV

a. Det. & Mat.	1		a or b
b. Perm. & Comb.	1	5/8	or c
c. Probability	1		
Total	<u>10</u>	<u>20</u>	<u>16</u>

To Answer

Objective type	10 x 1 marks	=	10 marks
Shortanswer	20 x 3 marks	=	60 marks
Long type	4 x 7½ marks	=	30 marks
		=	<u>100 marks</u>

Books Prescribed :

1. Elements of Mathematics : Vol - I & II

Published by Orissa State Bureau of Textbook Preparation and Production.



SOCIOLOGY

ELECTIVE

FIRST YEAR

PAPER – I

Introducing Sociology**Unit – I**

Sociology and Relationship with other social sciences Periods. Introducing Sociology:

Emergence, Meaning, Nature and Scope 4

Relationship with other social sciences: Political Science, History, Economics,
Psychology and Anthropology 6**10****Unit – II****Basic Concepts**

. Society – Meaning and Characteristics 2

. Community - Meaning and Characteristics 2

. Association - Meaning and Characteristics 2

. Institution - Meaning and Characteristics 2

. Social Group - Meaning and Characteristics 2

. Culture - Meaning and Characteristics 2

12**Unit – III****Social Institutions**

. Family – Meaning, Characteristics, Types and Functions 3

. Kinship – Meaning and Types 2

. Religion – Meaning, Functions and Dysfunctions 3

. Education – Meaning and Functions 2

10**Unit – IV****Social Stratification and Processes**

. Social Stratification: Meaning, Characteristics, Caste, Class and Gender 8

. Social Processes: Co-operation, Competition and Conflict 6

14**Unit – V****Environment and Social Change**

. Environment: Meaning, Impact on Society, Crisis and Responses 6

. Social Change : Meaning and Factors – Biological, Cultural and Technological 8

14

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SECOND YEAR

PAPER – II

Introducing Indian society

Unit – I

Introducing Indian Society

Periods

.Colonialism, Nationalism	4
.National Integration: Concept and Problems – Communalism, Terrorism, Casteism and Regionalism	9
	13

Unit – II

Social Institutions: Continuity and Change

. Hindu Joint Family: Meaning, Characteristics, Functions, Dysfunctions, Recent Changes	4
. Hindu Marriage: Meaning, Aims, Traditional Forms, Hindu Marriage Act, 1955, Recent Changes	3
. Women Empowerment: Meaning, Types – Economic, Political, Social, Legal	1
. Muslim Marriage: Conditions and Types	5
. Tribe: Meaning, Characteristics and Ways of acquiring mates	4
	2
	20

Unit– III

Demographic structure and Indian Society

. Village Community – Meaning and characteristics,	2
Rural – Urban Linkages and Divisions	4
	6

Unit – IV

Pattern of Social Inequality and Exclusion

. Caste and Social Inequality	2
. Class and Social Inequality	2
.Marginalized Classes: Scheduled Castes, Scheduled Tribes, Constitutional Safeguards	4
	1
	9

Unit – V

Processes of Social Change in India

. Sanskritisation – Meaning, Characteristics and Impact	3
. Westernisation – Meaning, Characteristics and Impact	3
. Urbanisation – Meaning, Characteristics and Impact	3
. Globalisation – Meaning, Characteristics and Impact	3
	12

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GEOGRAPHY

The course consists of one theory paper and one practical paper for first year. The theory paper in first year carries 70 marks and the practical paper carries 30 marks. The students are to appear first year examination in the college as internal examination.

In the second year, which will be Council Examination, the theory paper carries 70 marks and the practical paper carries 30 marks.

The students are required to maintain proper practical record and Field book which are to be produced at the time of Practical examination. The practical record and Field book need to be signed by the student and concerned teacher during the Practical classes.

In the first year, there will be three essay type questions, each carrying 10 marks. The short and objective type of questions will carry 40 marks. The practical will carry at least two exercises for the year and examination.

In the second year, there will be three long questions in theory paper each carrying 10 marks. These three questions will be set from the three units with alternatives. There will be 40 marks for short and objective type questions with each type carrying 20 marks. The Practical paper will carry 30 marks with 10 marks for practical record and viva. There will be three exercises with no option in the second year Practical examination conducted by CHSE.

TYPES OF QUESTIONS AND DISTRIBUTION OF MARKS

1ST YEAR			Full Marks-100
Question pattern	No. of Questions	Marks per Question	Total marks
Long Answer Type	03 (With Alternatives) One from each unit	10	30
Short Answer Type	08 (4 of 3 marks and 4 of 2 marks)	03 and 02	20
Objective Answer Type	20	01	20
Practical	20+ Practical Record	10	20+10
2ND YEAR			Full Marks-100
Question pattern	No. of Questions	Marks per Question	Total marks
Long Answer Type	03	10 (With Alternatives) One from each unit	30
Short Answer Type 20	10		02
Objective Answer Type 20	20		01
Practical	02+ Practical Record	10	20+10

**FIRST YEAR
THEORY**

	Theory 70 Marks	Practical- 30 Marks
Unit-I		
Nature of Geography and Lithosphere:		30 marks
1.1 Meaning and scope of Geography, Branches of Geography	2	
1.2 Origin and evolution of the Earth: Nebular, Tidal, Big-Bang	3	
1.3 Interior of the Earth	2	
1.4 Earthquakes and volcanoes	3	
1.5 Major types of Rocks and their characteristics	3	
1.6 Major types of Soils and their world distribution	3	
1.7 Weathering and erosion	2	
1.8 Works of River, Wind and Glacier.	5	
Unit-II		
Hydrosphere and Biosphere:		20 marks
2.1 General relief of the Ocean floor	2	
2.2 Distribution of Temperature and salinity of Ocean water	2	
2.3 Movements of Ocean water- Tides and Currents (Atlantic & Indian)	4	
2.4 Environment- Types and Conservation, Man-Environment Relationship, Bio-Sphere- Concept, importance of Plants and Animals in the Biosphere.	4	
Unit-III		
Regional Geography of Orissa:		20 marks
3.1 Physiography, Climate and Natural Vegetation	6	
3.2 Agriculture: Problems and Prospects	2	
3.3 Industry: Iron and Steel, Aluminium	3	
3.4 Population: Distribution and Density	2	
3.5 Transportation.	2	
		50 Classes

PRACTICAL

Unit-I	Full Marks-30
Fundamentals of Maps:	20 Marks
1.1 Maps- Types, Scale- Types- Construction of Linear And Diagonal Scale	4
1.2 Drawing of parallels of latitudes and meridian of longitudes	2
1.3 Contour and cross-section: Hill, Waterfall, Plateau, Col,	

'V'-shaped valley	4
1.4 Identification of topographical symbols and weather symbols	2
1.5 Function and use of Meteorological Instruments	2
	14 Classes
1.6 Practical Record and Viva-Voce.	10 Marks

SECOND YEAR THEORY

Unit-I	Theory-70 Marks Practical-30 Marks
Atmosphere:	20 Marks
1.1 Atmosphere –Composition and Structure	2
1.2 Elements and factors of Weather and Climate	1
1.3 Insolation, Temperature- Horizontal and Vertical Distribution	3
1.4 Atmospheric Pressure and Pressure belts, Winds- Planetary, Periodical and local	4
1.5 Humidity- Evaporation, Condensation and Precipitation, Types of Rainfall.	2
Unit-II	
Resource and Human Geography:	20 Marks
2.1 Resource: Concept of Resource, Types of Resource and Conservation of Natural Resource, Resource Development	3
2.2 Human Activities:	
a. Primary: Agriculture and allied activities, Types of Agriculture: Subsistence and Commercial	2
b. Secondary: Manufacturing Industries; Types- Household, Small Scale, Large Scale (Iron and Steel)	2
c. Tertiary: Transport and Communication (Roads & Railways)	2
2.3 Distribution of Population and Factors influencing pattern of distribution	2
2.4 Settlements: Types and Factors influencing growth and development of settlements.	2
Unit-III	
Regional Geography of India:	30 Marks
3.1 Physiography	2
3.2 Drainage	1
3.3 Climate	2

Arts Stream

3.4 Natural Vegetation	1
3.5 Soils	1
3.6 Population: Distribution and Density	2
3.7 Agriculture: Distribution of Rice and Wheat	2
3.8 Industry: Distribution of Iron and Steel Industries	2
3.9 Transport: Road and Railway Network.	2
	40 Classes

PRACTICAL

Full Marks-30

Unit-I	10 Marks
1.1 Map Projection- Construction of Simple Cylindrical, Cylindrical equal-area, Simple conical with one standard parallel, Gnomonic, Stereographic (Polar Case) Projections	5
1.2 Computation of Mean, Median and Mode (Grouped and Ungrouped data)	3
1.3 Construction of Vertical Bar, Horizontal Bar and Wheel Diagram	3
Unit-II	10 Marks
Chain and Tape Survey	
Unit-III	10 Marks
Practical Record and Viva-Voce.	
Total: 13 Classes	



EDUCATION

ELECTIVE (FIRST YEAR)

Theory – 70 marks & Practical – 30 marks

THEORY PAPER - I

FOUNDATIONS OF EDUCATION-1

Unit - I

Fundamentals of Education - (15 periods)

- A– Meaning and Aims of Education: Individual and Social.
- B – Agencies of Education: Meaning and types, Formal, Informal, Non-formal, Active and Passive. Role of Home, School, Community and Mass media as Agencies of Education.

Unit - II

Educational Psychology - (15 Periods)

- A– Meaning, nature and scope of Educational Psychology.
Importance of Educational Psychology for the teacher.
- B – Growth and Development: Meaning, General Principles of Growth and Development. Growth and Development during Infancy and Childhood –Physical, Intellectual, Social and Emotional.

Unit - III

School Organisation and Curriculum - (15 periods)

- A– Administrative structure of School Education in Orissa.
- B – Curriculum: Meaning, Principles and Approaches – Child centered, Activity centered and Experience centered.

Unit - IV

Methods of Teaching - (15 periods)

(Anyone of the following method subjects)

(English, Oriya, Mathematics, General science, History and Geography)

- A– Aims and objectives
- B – Different methods of teaching applicable for primary level.

PRACTICAL - (45 PERIODS)

- A– Preparation of five lesson plans in the concerned method subject.
- B – Preparation of objective type of question, 5 each, pertaining to Knowledge, Understanding and Application objectives on a particular topic of the concerned method.

Books Recommended:

1. Bureau's Higher Secondary (+2) Education part –I
2. +2 Education BOOK – I(Odia) of Bureau
3. Sikshyaniti Prabesh (Bureau's Oriya Book) By Sri Mohan Charan Nayak
(All the above BooksPublished by Orissa State Bureau of Textbook Preparation and Production, Bhubaneswar.)

SECOND YEAR

Theory - 70 marks, Practical – 30 marks

THEORY

(FOUNDATIONS OF EDUCATION – II)

Unit – I

Problems of School Education - (15 periods)

- (a) Universalisation of Education (Elementary)
- (b) Education for National Integration.
- (c) Environmental Education: Concept and Objectives.
- (d) Value Education : Concept, Types and relevance.

Unit – II

Contribution of Educators - (15 periods)

- (a) Mahatma Gandhi
- (b) Pandit Gopabandhu Dash
- (c) Rousseau

Unit – III

A- Learning Process – (15 periods)

- (a) Concept and Nature of Learning, Factors influencing learning.
- (b) Theories of Learning: Trial and Error, Classical Conditioning and Insightful Learning.

B- Motivation in learning – Meaning, Types and Techniques of Motivation.

Unit – IV

A - Elementary Educational Statistics - (15 periods)

- (i) Importance of Educational Statistics, Frequency Distribution.
- (ii) Measures of Central Tendency –Mean, Median and Mode.

B - Information Technology in Education : - Concept, Application in Teaching & Evaluation. Merits and Demerits.

PRACTICAL - (45 Periods)

(To be examined by both the internal and External Examiners)

- (a) Preparation of lesson Plans and delivery of 5 lessons in real class room situations.
- (b) Improvisation of at least five teaching aids pertaining to five lessons to be delivered.

Distribution of Marks in Practical Examination Will be as follows:

(i) Practice Teaching Record	-	05 marks
(ii) Performance in Classroom Teaching	-	15 marks
(iii) Use of Teaching Aids	-	10 marks
Total	-	30 marks

Books Recommended :

1. Bureau's Higher Secondary (+2) Education part –II
4. +2 Education BOOK – II (Odia) of Bureau
2. Educational Measurement in Oriya By Sri Sarbeswar Samal

(All the above books Published by Orissa State Bureau of Textbook Preparation and Production, Bhubaneswar.)



ANTHROPOLOGY

ELECTIVE, FIRST YEAR THEORY

FULL MARK-70

UNIT- I

- a) Definition and scope of Anthropology, Major branches of Anthropology, Inter relationship with other disciplines, (Sociology, Psychology, History, Economics, Political science , Geology)
- b) Definition and scope of prehistoric Archeology, Geological Time Scale, Dating Techniques: Relative Dating - Stratigraphy, Glacial Verves, River Terrace, Typology, State of Preservation

Absolute Dating – Radio carbon , Dendrochronology, Palynology

Tool Types : Chopper, Chopping Tool, Cleaver, Hand axePoint, Scraper, Blade, Microliths, Axe, Adze

Bone Tools : Needle, Harpoon, Fishhook, Arrow straightners, Lancets, Dart Thrower.

Tool Techniques : Block-on-Block Technique, Stone Hammer Techniques, Cylinder Hammer, Technique, Pressure Flaking Techniques, Grinding and Polishing Techniques

UNIT-II

- a) Primitive Religion : Definition & Functions of Religion, Theories of Religion Animism and Animatism
Magical Practices : Sorcery and Witch Craft,
Magic Religious functionaries : Shaman and priest
Compression of Magic , religion and science
- b) Social stratification : Class, Caste and Varna, Criteria of Class Distinctions
Caste System in India Futures and Functions changes in caste system in mode in India.
- c) Primitive law and Political organization , Definition of Law, Supernatural Legal Devices – Divination, Conditional Course, Ordeal and Aoth.
- d) Political Organization:- in primitive society : Uncentralized socio political system- Band and Trbes
centralized socio political system – chiefdom and state

UNIT-III

Definition and scope of physical anthropology Branches of physical Anthropology. Man's place in the Animal Kingdom, Anatomical differences between Ape and Man. Structure and Function of Animal cell, Cell Division – Mitosis & Meiosis.

PRACTICAL

FULL MARK – 30

- I) Drawing and description of the following lithic tools
(Total Ten Tools)
 - a) Paleolithic
 - b) Mesolithic
 - c) Neolithic
- II) Census- students are required to submit filled is household census schedule from five households
10 Marks

Or

Museum Study – Students are required to visit any museum and write a report.

- III) Practical Record 5 Marks
- IV) Viva Voce 5 Marks

SECOND YEAR

THEORY

FULL MARK -70

UNIT- I (SOCIAL ORGANISATION)

- a) **Family** : Definition, Feature and Function. Types of Family – On the basis of structure on the basis of residence, on the basis of authority, on the basis of descent.
- b) **Marriage**: Definition forms of marriage – monogary, polygamy (Polygury and polyandry). Polygyny – Suroral and Non sororal, Polyandry – Fraternal, Non Fraternal, Familial, Polysynandry.
Marriage Rules – Exogary and Endogary, Hypergamy and Hypogamy, Levirate and sororate, cross cousin and parallel cousin marriage. Bride price and Dowry . category of kins – consa
- c) **Kinship** – Definition Degree of kinship , Primary secondary, tertiary, Kinship, Teainology – Classificatory and Descriptive, Descent and Rules of Descent
Descent Groups – Lineage, Clan, Phratry, Moiety Kinship Usgaes – Avoidance, Joking Relationship, Teknymy, Avanculate , ANtitate and Couvade
- d) **Associations** – Definition, Non voluntary associations age set, Unisex Associations or Youth Dormitory Voluntary Associations – Ethnic Assocoiations m Secret Societies.

UNIT-II (PHYSICAL ANTHROPOLOGY)

Study of fossils Australopithecire, Homo Erectus – Pithecanthropus Erectus and sinthropus pekinesis, Neanderthal man, Homo spein – Cromagnon Man.

Major Theories of organic Evolution – Lamarckism, Darwinism, Neo Darwinism.

UNIT-III (INDIAN PREHISTORY)

Paleolithic culture of India , Mesolithic culture of India , Neolethic culture of India, , Indus Vally Civilization

PRACTICAL

FULL MARK – 30

- I) Identification of ABO Blood Group of Ten Individuals 5 Marks
OR
- a) Maximum cranial Length
b) Maximum cranial Breadth
c) Minimum Frintal Breadth
d) Basior Bregma Height
e) Begonia Breadth
- II) Somatometric Measurements on Five individuals 5 Marks
- a) Maximum Head Length
b) Maximum Head Breadth
c) Bizygomatic Breadth
- d) Morphological Facial height
e) Nasal Length

- f) Nasal Breadth
- III) Osteometry 10 Marks
Drawing, Labelling descriptive and identification of the following long bones
- a) Humerus, Radius, Ulna
 - b) Femur, Tibia, Fibula
 - c) Human Skull & Mandible
- IV) Practical Record 5 Marks
- V) Viva Voce 5 Marks

BOOKS :

1. The old stone Age - M.C Bur Kitt
2. An outline of Indian prehistory – D.K Bhattachaya
3. An Introduction to Social Anthropology – DN Majumdar and T.N. Madan
4. Anthropology – The Study of Man – Indrani Basu Roy
5. Introducing Social and Cultural Anthropology – Hemendra Nath Banarjee
6. Fundamentals of Physical Anthropology – R.M Sarkar
7. Anthropology – Ember, Ember and Prergrine
8. Anthropometry – Singh and Bhasin



PSYCHOLOGY

ELECTIVE

The course consists of one theory paper and one practical paper for first year. The theory paper in first year carries 70 marks and the practical paper carries 30marks. The students are to appear first year examination in the college as internal examination.

In the second year, which will be council examination, the theory paper carries 70 marks and the practical paper carries 30 marks.

FIRST YEAR

Total Marks 100
Theory -70 marks
Practical-30marks

Theory: Question Pattern.

Group - A : Objective type (compulsory)

Q.No.1 .Multiple choice (Fill up the blanks from all units)

1 Mark each X 10 =10 Marks

Q.No. 2. Statements "True" or "False".

1 Mark each X 10 =10 Marks

Group- B: (Short type)

Q.No. 3 Short type answer(Answer within two/three sentence) and out of 12bits, one has to answer ten bits.

2 Marks each X 10 =20 Marks

Q.No. 4 Short type answer(answer within six sentences)

(Out of 5bits, one has to answer 3 bits)

3marks each X 3 = 09 Marks

Group-C (Long type answer)

Q.No. 5 to Q No. 9 (out of five questions from all units one has to answer three questions)

7marks each X 3 = 21 Marks

Practical – 30 Marks

INTRODUCTION TO PSYCHOLOGY

FIRST YEAR

Unit-1

- | | Period |
|---|--------|
| 1. What is psychology ? | |
| (a) Meaning and definition of Psychology. | (2) |
| (b) Psychology as a science. | (1) |
| (c) Brief idea about the different approaches to the study of Psychology. | (2) |
| (i) Biological | |
| (ii) Behaviouristic | |
| (iii) Cognitive | |

- (d) Field of Psychology (3)
 - (i) Physiological Psychology.
 - (ii) Educational Psychology.
 - (iii) Developmental Psychology.
 - (iv) Industrial and Organisational
 - (v) Abnormal Psychology.
 - (vi) Social Psychology.
 - (vii) Cognitive Psychology.
 - (viii) Health Psychology.
 - (ix) Environmental Psychology
 - (x) Sports Psychology
- (e) Psychology and other disciplines (Sociology & Anthropology) (2)
- 2. Methods used in Psychology: (4)
 - (a) Experimental method.
 - (b) Observational methods:
 - (i) Naturalistic observation
 - (ii) Subjective observation or Introspection.
- 3. Physiological bases of behavior:
 - (a) Structure and functions of neuron. (2)
 - (b) Brief idea about methods of studying brain functions (2)
 - (i) Ablation (ii) Stimulation (iii) Electrical recording (iv) scanning
 - (c) Structure and functions of Central Nervous System. (3)
 - (d) (i) Spinal Cord (ii) Brain
 - (e) Autonomic Nervous System (1)
- Unit-II**
- 4. Sensory and perceptual Processes:
 - (a) Brief idea about sense organs (Structure and function of eye) (2)
 - (b) Attention : Determinants and types of attention (2)
 - (c) Perception : Meaning,operational definition, processes involved in perception (Receptive, selective, symbolic and affective process.) (2)
 - (d) Principles of perceptual organization (2)
 - (e) Role of Need, Past Experience and cultural factors in perception. (1)
 - (f) Errors in perception: Illusion and Hallucination. (2)
- 5. Learning:
 - (a) Meaning and Operational definition of learning: Learning as distinguished from maturational changes and performance. (2)
 - (b) Processes of Learning: (i) Trial and Error (ii) Classical Conditioning (iii) Operant Conditioning (iv) Cognitive learning - Insight. (8)
- 6. Memory Processes:
 - (a) Memory Process; (2)
 - (i) Encoding (ii) Storage (iii) Retrieval.

Arts Stream

- (b) Three systems (stages) of Memory: (3)
 - (i) Sensory Memory (ii) Short Term Memory (iii) Long Term Memory.
- (c) Kinds of Memory: (2)
 - (i) Episodic Memory (ii) Semantic Memory (iii) Procedural Memory.
- (d) Measurement of Memory. (2)
 - (i) Recall (ii) Recognition (iii) Saving or Relearning.
- (e) Forgetting: (3)
 - (i) Encoding failure (ii) Storage failure (iii) Retrieval failure.
- (f) Improving Memory: Mnemonics, Methods of Loci, Number and Letter Peg system, Chunking. (2)

Unit-III

- 7. Motivation and Emotion
 - (a) Meaning and operational definition of Motivation. (2)
 - (b) Brief idea about Types of Motives: Biological, Social and Psychological. (2)
 - (c) Meaning, operational definition and Nature of emotion. (1)
 - (d) Different bodily or organic changes or physiological changes during emotion. (1)
- 8. Intelligence
 - (a) Meaning and Nature of intelligence. (1)
 - (b) Approaches to understanding intelligence: (4)
 - (i) Gardner (ii) Sternberg (iii) J.P.Das
 - (c) Factors influencing intelligence. (2)
- 9. Language and Thought :
 - (i) Nature and Interrelationship (1)
 - (ii) Stages of Cognitive development by Piaget (4)
 - (iii) Problem Solving (2)
 - (iv) Creative Thinking : Nature and stages of creative thinking (4)

PRACTICAL

- 1. Span of attention.
- 2. Optical illusion (Muller – Lyer illusion)
- 3. Sensory - Motor Learning
- 4. Memory for meaningful words and nonsense syllables.

Books Recommended :

- 1. Psychology Part-1 , NCERT
- 2. Bureau's Higher Secondary +2 Psychology Part-I ,Dash,Mohanty,Mohanty, Pattnaik,Nanda,Mishra and Kar ,Published by Orissa State Bureau of Text Book Preparation & Production, Bhubaneswar.

SECOND YEAR

Total Marks 100
Theory -70 marks
Practical-30marks

Theory: Question Pattern.

Group - A : Objective type (compulsory)

Q.No.1 .Multiple choice (Fill up the blanks from all units)

1 Mark each X 10 =10 Marks

Q.No. 2. Statements "True" or "False"

1 Mark each X 10 =10 Marks

Group- B: (Short type)

Q.No. 3 Short type answer(Answer within two/three sentence) and out of 12bits, one has to answer ten bits.

2 Marks each X 10 =20 Marks

Q.No. 4 Short type answer(answer within six sentences)

(Out of 5bits, one has to answer 3 bits)

3marks each X 3 = 09 Marks

Group-C (Long type answer)

Q.No. 5 to Q No. 9 (out of five questions from all units one has to answer three questions)

7marks each X 3 = 21 Marks

Practical – 30 Marks

**PSYCHOLOGY (Part-II)
(Theory)
Second Year**

Total Marks 100
Theory -70 marks
Practical-30marks

Unit-I

1. Life span development:

- (a) Meaning of development - life span perspective (2)
- (b) Principles of development. (2)
- (c) Factors influencing development (1)
- (d) Stages of development : Prenatal stage, Infancy, Childhood stage, Adolescence, Adult hood, Old age. (5)

2. Self and personality.

- (a) Concept of self and personality. (3)
- (b) Personality types and traits. (4)
- (c) Assessment of personality. (2)

Arts Stream

Unit-II

3. Socio-cultural bases of behaviour:

- (a) What is culture? Relationship between culture and behaviour (3)
- (b) Process of socialization and acculturation (3)

4. Physical Environment and behaviour.

- (a) Environmental effects on human behaviour. (2)
- (b) Impact of human behaviour on environment. (2)

5. Social influence and Group processes;

- (a) Nature, types and formation of groups (4)
- (b) Nature, functions and styles of leadership (4)

Unit-III

6. Psychological disorders:

- (a) Concept of Normality and abnormality, criteria of studying abnormal behaviour. (2)
- (b) Causal factors related to abnormal behaviour. (4)
- (c) Symptoms of major psychological disorders-Anxiety disorders, mood disorders, schizophrenia. (7)

7. Counselling Psychology:

- (a) What is counselling ?, Stages of counselling (2)
- (b) Characteristics of an effective counsellor. (2)

8. Psychology in organizational settings:

- (a) Meaning of organization: (1)
- (b) Structure of organization. (2)

9. Statistics in Psychology:

- (a) Frequency distribution. (3)
- (b) Graphic representation of scores, Polygon and Histogram. (2)
- (c) Measures of Central tendency : Computation and uses of mean median and mode. (8)

PRACTICALS

1. RCPM children / RPM for Adults
2. Case History Method (Preparation of at least one case profile)
3. Personality Test (Type A / B)
4. Piagetian Task (Conservation of Liquid Quantity)

Books Recommended :

1. Psychology Part-I and Part-II , NCERT



HOME SCIENCE

ELECTIVE

The syllabus in Home Science shall consists of one theory carrying 70 marks (3hours duration) and one practical paper carrying 30 marks (3hours duration) for each first year and second year of +2 classes. The students are required to maintain proper practical records which are produced at the time of practical examination. The record must have been signed by the student and the concerned teacher during practical classes. Both the theory and the practical examinations will be conducted at college level at the end of +2 first year and at council level at the end of +2 second year.

OBJECTIVES:

- To create understanding among students that the knowledge and skills acquired through home science will help in personal growth, development and well being.
- To acquaint them with the basics of human development which are necessary for self and children.
- To help the students to realize resources are scarce and need proper and efficient management.
- To know the use of colour combination.
- To inculcate in them healthy food habits through knowledge of nutrition.
- To make students acquire good knowledge of textiles and their proper care.

COURSE STRUCTURE

+2 FIRST YEAR

THEORY PAPER-I

TIME-3 HOURS

FULL MARKS-70

TIME-3HOURS

FULL MARKS-70

UNIT	MARKS
I. HOME MANAGEMENT AND FIRST AID	
(A) HOME MANAGEMENT.....	14
(B) FIRST AID.....	08
II. FOOD AND NUTRITION, HEALTH AND HYGIENE	
A. FOOD AND NUTRITION.....	12
B. HEALTH AND HYGIENE.....	12
III. TEXTILE AND CHILD DEVELOPMENT	
(A) TEXTILES.....	12
(B) CHILD DEVELOPMENT.....	12
TOTAL MARKS	70

**+2 FIRST YEAR
THEORY
PAPER-I**

UNIT-I HOME MANAGEMENT AND FIRST AID

- (A) HOME MANAGEMENT: (14 MARKS) (10 periods)
- a) Meaning of Home science and its branches. Scope of studying Home Science.
 - b) Meaning, definition and need for home management
Steps in home management-planning, organizing, controlling and evaluating
 - c) Meaning, importance and steps in decision making
 - d) Resources-Human (knowledge, abilities, skill, energy) and non human(money, time, movable and immovable properties, goods and services, community facilities)
- (B) FIRST AID: (8 marks)(4 periods)
- a) Types of bandages(Roller and Triangular)
 - b) First aid in drowning, electric shock, burns and foreign bodies in the eye

UNIT-II FOOD AND NUTRITION, HEALTH AND HYGIENE

- (A) FOOD AND NUTRITION (12 marks)(7 periods)
- a) Definition of food ,nutrition and health
 - b) Classification and functions of food
 - c) Basic food groups and their contribution to diet
 - d) Food preservation-Definition, need and importance House holds methods of food preservation (dehydration, addition of salt, sugar and refrigeration)
- (B) HEALTH AND HYGIENE (12 marks)(12 periods)
- a) Infection-sources and modes of infection
 - b) Restraint of infection
 - c) Diseases transmitted through air and other contacts-chicken pox, measles,mumps,diphtheria,whooping cough,tetanus,malaria,filarial,and tuberculosis(causes,mode of spread, incubation period, symptoms and prevention)
 - d) Diseases transmitted through sex-AIDs-causes, mode of spread and prevention

UNIT-III TEXTILE AND CHILD DEVELOPMENT

- (A) TEXTILES: (12marks)(10periods)
- a) Classification of fibres :natural and man made
 - b) Structure and characteristics of cotton, wool and silk
 - c) Types of soaps and detergents
 - d) Water-hard and soft water, softening of hard water
- (B) CHILD DEVELOPMENT: (12marks)(10periods)
- a) Importance of child study-meaning and scope
 - b) Prenatal development-conception, signs and symptoms of pregnancy, care during Pregnancy
 - c) Stages of prenatal growth and development
 - d) Factors influencing prenatal growth and development such as age of the mother, diet of the mother, drugs, X-Ray, irradiation, paternal illness, RH factors, maternal emotional state and attitude.

**+2 FIRST YEAR
PRACTICALS**

TIME-3HOURS	FULL MARKS-30
UNIT	MARKS
I FOOD AND NUTRITION -----	10
II FOOD PREPARATION FOR ENHANCING NUTRITIVE VALUE	
(A) cereal milk combination-----	5
(B) cereal ,milk and vegetable combination-----	5
III FIRST AID -----	5
Practical Record -----	5

TOTAL MARKS	30

**FIRST YEAR
PRACTICALS (3periods/practical)**

- UNIT-I FOOD AND NUTRITION:
 Planning and preparation of dishes rich in protein, vitamin-A and iron (two items each for lunch/ dinner/ snacks) (10marks)
- UNIT-II FOOD PREPARATION FOR ENHANCING NUTRITIVE VALUE:
 (A) cereal milk combination (5marks)
 (B) cereal ,milk and vegetable combination (5marks)
 [one item for snack and one item for meal time]
- UNIT-III FIRST AID:
 Application of triangular bandages for head and elbow , and roller bandages for wrist and knee (5 marks)
 Practical Record (5marks)

**+2 SECOND YEAR
THEORY PAPER-II**

TIME-3HOURS	FULL MARKS-70
UNIT	MARKS
I CHILD CARE AND ADOLESCENT DEVELOPMENT	
(A) CHILD CARE -----	10
(B) ADOLESCENT DEVELOPMENT-----	10
II. NUTRITION AND PHYSIOLOGY	
(A) NUTRITION-----	10
(B)PHYSIOLOGY -----	10
III. TEXTILES ,MONEY MANAGEMENT AND USE OF COLOUR	
(A) TEXTILES.....	10

Arts Stream

(B) MONEY MANAGEMENT	10
(C) USE OF COLOUR-----	10

TOTAL MARKS70

HOME SCIENCE

+2 SECOND YEAR

THEORY PAPER-II

UNIT-I CHILD CARE AND ADOLESCENT DEVELOPMENT

(A) CHILD CARE: (10marks)(12 periods)

- a) Feeding the baby: breast feeding, artificial feeding. weaning
- b) Care of feeding equipments
- c) Immunizations of children
- d) Common ailments-teething, diarrhea ,common cold fever, thrush, wind and colic
- e) Causes and prevention of infant and maternal mortality

(B) ADOLESCENT DEVELOPMENT: (10marks)(4periods)

- a) Meaning, changes and problems (physical and emotional)
- b) Role of parents in solving adolescents' problems

UNIT-II NUTRITION AND PHYSIOLOGY

(A) NUTRITION: (10marks)(18 periods)

Classification, function, sources and deficiency of following nutrients:

- a) Carbohydrates
- b) Protein
- c) Fat
- d) Vitamins(A,D,E,K)
- e) B complex vitamins(thiamine ,riboflavin, niacin)
- f) Vitamin-c
- g) Minerals(calcium, phosphorous, iron, iodine)

(B) PHYSIOLOGY: (10marks)(16 periods)

- a) Cell(structure and functions)
- b) Blood(composition, constituents and functions)
- c) Digestive System-structure of alimentary canal, digestive juices secreted into it ,their action on carbohydrates ,protein and fats and their absorption
- d) Accessory organs in digestion-salivary glands, liver, pancreas and gallbladder(structure and function in brief)

UNIT-III TEXTILES, MONEY MANAGEMENT AND USE OF COLOUR

(A) TEXTILES: (10marks)(9 periods)

- a) Methods of laundering (rubbing and scrubbing friction method, kneading and squeezing method, suction method and washing machine)and their principles
- b) Washing and finishing of cotton, woolen and silk garments
- c) Stain removal: classification ,types and methods of stain removal(tea, grass, grease, curry, blood, ball ink pen, lipstick and nail polish)

(B) MONEY MANAGEMENT: (10marks)(4 periods)

Types of family income-money income, real income(direct and indirect),psychic income, sources of family income, methods of supplementing family income, procedure for keeping household accounts, meaning and importance of savings

(C) COLOUR: (10marks)(4 periods)

Use of colour in home: colour wheel, principles of colour combination (proportion, balance, emphasis, rhythm and harmony), colour combinations (relating and contrasting colour schemes) , use of colour in different rooms

**+2 SECOND YEAR
PRACTICALS**

TIME-3HOURS		FULL MARKS-30
UNIT		MARKS
I	NEEDLE WORK-----	10
II	USE OF COLOUR-----	10
III	CHILD CARE-----	5
	Practical Record -----	5
TOTAL		MARKS30

**SECOND YEAR
PRACTICALS (3periods/practical)**

UNIT-I NEEDLE WORK: (10marks)

- a) Make a sample of basic stitches-run stitch, hemming ,back stitch, button whole stitch, chain stitch and satin stitch
- b) Study of different parts of sewing machine
- c) Make samples of seams, pleats and patch(three types each)
- d) Make a sample of fixing hooks and buttons(1 each)
- e) Removal of stains-tea, curry, grease, grass, ball pen, ink, lipstick and nail polish using chemicals

UNIT-II USE OF COLOUR: (10marks)

- a) Preparation of colour wheel(prang colour chart)
- b) Preparation of motifs using monochromatic ,direct complimentary and analogous colour schemes

UNIT-III CHILD CARE:

- Preparation of immunization chart (5marks)
- Practical Record (5marks)

BOOKS RECOMMENDED :

UCHA PRATHAMIKA GRUHA BIGYANA

PUBLISHED BY ODISHA STATE BUREAU OF TEST BOOK PREPARATIION AND PRODUCTION, BHUBANESWAR



INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT

(Elective)

1. Objective of the course:

- a) To inculcate certain basic ideas on Industrial Relations and Personnel Management to Young students, who at the end of this course may go for Junior Posts in Govt. Department of Labour Administration. Besides they will also suit similar posts in the Industrial Relations, Labour Welfare, Personnel Department, Human Resources Department of Factories, Mines, Plantations, Ports and Docks, Banks and other establishments.
- b) This will also serve as a bridge course to the professional Degree or Diploma course in Management, Labour Welfare, Personnel Management, Human Resources Management and Industrial Relations

2. Course:-

There shall be two theory paper carrying 100 marks each of three hours duration. The examination for the 1st year will be conducted at the end of 1st year at college/ H.S. School and the same for the 2nd year will be conducted at the end of 2nd year at the council level.

DISTRIBUTION OF MARKS

Full Marks-100

Group-A: Objective type compulsory :

- Q.1 Multiple choices (from all units) 1 mark each x 15 = 15 marks
- Q.2 One word answer / very short answer / correct the sentences/ Fill up the blanks 1 mark each x 15 = 15 marks

Group-B: (Short type Answer):

- Q.3. Answer within Two/ Three sentences (out of 14 bits, one has to answer 11 bits) 2 marks each x 11 = 22 marks
- Q.4. Answer within six sentences. (out of eight bits, one has to answer six bits) 3 marks each x 6 = 18 marks

Group-C: (Long type Answer):

- Q.5. to Q. 10 Out of six questions from all units, one has to answer 4 questions. 7.5 marks each x 4 = 30 marks

INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT

FIRST YEAR, PAPER-1

(INDUSTRIAL RELATIONS)

Full marks-100

Unit -1

Industrial Relations and Trade Unionism: -

(25 marks) 16 periods

- (a) Meaning and Definitions of Industrial Relations
- (b) Objectives and Scope of Industrial Relations
- (c) Significance of Industrial Relations
- (d) Meaning, Aims and Objectives of Trade Union
- (e) Functions of Trade Union
- (f) Types of Trade Union – Craft Union, Industrial Union and General Union

(g) National Federations of Trade union in India

Unit-II

Industrial Disputes in India : -

(25 marks) (16 periods)

- (a) Meaning and Definitions of Industrial Disputes
- (b) Causes of Industrial Disputes
- (c) Consequences of Industrial Disputes
- (d) Meaning of Strikes and Lockouts – Legal and Illegal
- (e) Machineries for the Settlement of Industrial Disputes
- (f) Grievances Settlement Authority
- (g) Works Committee
- (h) Conciliation Officer
- (i) Board of Conciliation
- (j) Court of Inquiry
- (k) Voluntary Arbitration
- (l) Labour Court
- (m) Industrial Tribunal and
- (n) National Tribunal

Unit-III

Collective Bargaining

(25 marks) (16 periods)

- (a) Meaning, Objectives and Scope of Collective Bargaining
- (b) Prerequisites of Collective Bargaining
- (c) Process of Collective Bargaining
- (d) Levels of Collective Bargaining
- (e) Collective Agreements

Unit-IV Workers Participation in Management and Grievances Handling : (25 marks) (16 periods)

- (a) Meaning and Definitions of Workers Participation in Management
- (b) Forms of Workers Participation in Management
- (c) Workers Participation in Management in India
- (d) JOINT FORUMS:-

Works Committee, Canteen Committee, Safety Committee, Welfare Committee, and Production Committee

Total periods: = 64

INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT

SECOND YEAR, PAPER-II

(Personnel Management)

Unit-I – Personnel Management

(25 marks) (16 periods)

- (a) Meaning and Definition of Personnel Management
- (b) Objectives and Scope of Personnel Management
- (c) Importance of Personnel Management
- (d) Functions of Personnel Management
- (e) Growth and Development of Personnel Management

Arts Stream

- (f) Personnel Management v/s Human Resource Management
- (g) Objectives and Functions of Human Resource Management

Unit-II- Recruitment, Selection and Training

(25 marks) (16 periods)

- (a) Meaning and Definition of Recruitment
- (b) Sources of Recruitment – Internal and External with their Merits and Demerits
- (c) Meaning and Definition of Selection
- (d) Significance of Selection
- (e) Difference between Recruitment and Selection
- (f) Selection procedure – Reception of Applications, Scrutiny; Preliminary Interview; Application Blank; Employment Tests; Employment Interview, Reference Check; Medical tests; Final Selection, Placement, Induction
- (g) Meaning and Objectives of Training
- (h) Principles of Training
- (i) Benefits of Training
- (j) Methods of Training – On-the job, Training and Off-the job training

Unit-III Labour Welfare and Social Security:

(25 marks) (16 periods)

- (a) Meaning and Definitions of Labour Welfare
- (b) Aims and Objectives of Labour Welfare
- (c) Concept and Scope of Labour Welfare
- (d) Philosophy of Labour Welfare
- (e) Principles of Labour Welfare
- (f) Meaning and Definitions of Social Security
- (g) Social Assistance and Social Insurance

Unit-IV: Labour Administration and ILO :

(25 Marks) (16 periods)

- (a) Statutory Labour Welfare measures with special reference to welfare, working hours and annual leave with wages under the Factories Act, 1948.
- (b) Functions of Welfare Officer in Industry
- (c) Labour Administration in Orissa, Structure and Functions at the District, Zonal and State Level
- (d) International Labour Organisation (ILO)
- (h) Aims and Objectives of ILO.
- (i) Structure and Functions of ILO
- (j) Impact of ILO on Industrial Relations in India

Books recommended

Total periods = 64

1. Bureau's Higher Secondary +2 Industrial Relation and Personnel Management Published by Orissa State Bureau of Textbook Preparation and production, Bhubaneswar.
2. Sayddin and Monappa – Personnel Management
3. K.K. Jacob – Personnel Management in India
4. Dale Yoder et al. – Handbook of Personnel Management
5. A.M. Sharma – Industrial Relations
6. Punekar et al., Labour Welfare, Trade Unionism and Industrial Relations.



INDIAN MUSIC

ODISSI VOCAL

(Vocal and Instrumental) Applied and General Theory

FIRST YEAR

Sub Code- IMOV

Full Mark - 100
Practical - 60
Theory - 40 marks

Time - 2 hours

(Each Unit Carries 8 Marks and 6 classes annually)

Unit - I

Characteristics feature of all the Ragas and Talas prescribed for this year.

- a) Ragas are - Sankaravarana, Kafi, Mukhari, Gauda, Khamaj, Bajrakanti, Mohana
- b) Talas are -Ekatali, Khemta, Rupak, Jati, Jhula

Unit - II

- a) Knowledge of writing notation of the Ragas.
- b) Knowledge of writing layakari (Eka Guna, Dui Guna, Chou-Guna) with sastriya Parichaya.
- c) Definition and Description of Tanpura.

Unit - III

Definition of following musical Terms.

Dhawni Nada, (Ahata-Anahata), Sangeeta, Badi, Sambadi, Saptaka (Mandra- Madhya Tara), Bibadi Anubadi, Aroha, Abaroha, Tala, Laya (Vilambit-Madhya-Druta) Prabaddha,

Unit - IV

- (a) Swara sruti Bibhajana
- (b) Comparative study.
 - (i) Swara- Sruti
 - (ii) Mela- Raga.
 - (ii) Purbaraga- Utterraaga.

Unit - V

Biography of the following

- (i) Jayadev
- (ii) Singhari Shyamsundar Kar
- (iii) Pandit Nrusingha Nath Khuntia.

(VOCAL AND INSTRUMENTAL)

FIRST YEAR, Sub Code- IMOV

PRACTICAL

Time- 40 Minutes

(Each Unit Carries 12 Marks and 12 classes annually)

Unit - I

1. Each Candidate will have to select one Raga of this course as his/her choice.

Arts Stream

Unit - II

2. Each Candidate will have to sing one Bhajan and Janana.
light classical song, one, patriotic, one folk song.

Unit - III

3. Candidates to sing one chhanda, one champu, one Geeta Govinda.

Unit - IV

4. Test of Talas (Eka Guna- Dui Guna)

Unit - V

5. Identification of Swaras and Ragas asked by the
Examiner.

Total 60 Marks - 40 Minutes

**ODISSI VOCAL
SECOND YEAR
APPLIED AND GENERAL THEORY**

Full Marks-

Practical -

Theory -

Unit - I

(Each Unit carries 8 Marks and 6 classes annually)

Characteristic features of all the Ragas and Talas prescribed for this year.

- a) Ragas are - Kalayana, Baradi, Kamodi, Ashabari, Bhairabi, Malabagouda, Deshakhya.
b) Tala are - Ektali, Tripata, Jhampa, Jati Tala, Aditala.

Unit - II

- a) Study of Notation System
b) Knowledge of writing Layakaries (Eka-Dui-Chariguna)

Unit - III

Definition :-

Varna (Sthayee- Arohi- Abarohi-Sanchari) Alankar, Gamaka, Alpatwa, Bahutwa, Alap, (Anibadha Alap-Nibadha Alap), Bhanati, Sangeet, Mela, Jati (Audaba- Sadaba- Sampurna), Purbanga - utararga, Badi, Raga, Swor Malika,

Unit - IV

Definition and comparative study :

- a) Odissi, Chhanda, Champu, Janana, Bhajana, Choutisha,
b) Structural description and Tuning system of Mardal.

Unit - V

- (a) Biography of the following
i) Sangeeta Sudhakar Balakrushna Dash
ii) Kavisurya Baladev Rath
(b) Writing essay of the following
i) Aims of learning Music.

SECOND YEAR

Sub Code- IMOV

PRACTICAL

Time- 40 Minutes

(Each Unit carries 12 Marks and 12 classes annually)

Unit - I

1. Each candidate will have to select one Raga of this course as his/he" choice.

Unit - II

2. Each candidate will have to sing one Bhajan and one Janana, one light classical song, one, patriotic, one folk song.

Unit - III

3. Candidate to sing one chhanda, or one champu, or one Geeta Govinda

Unit - IV

4. Test of Talas with Layakari (Eka-Dui-Chouguna Kriya)

Unit - V

5. Identification of Sworas and Ragas asked by the Examiner which carries.

Total - 40 Minutes

Prescribed Books :

Practical - Indian Music. Odissi Vocal

1. Laxkhyana Swora Malik Lahari- Dr. D. Hota
2. Srimandira Sangeeta Mala- Pandit N.N.Khuntia
3. Odissi Sangeeta Manjari- Pandit G.C. Panda
4. Sangeeta Markandeya- Pandit Markandeya Mohapatra
5. Alankar Ratnabali - Sri Ramhari Das.
6. Odissi Raga Sangeeta -Lokanath Pal
(Part-I,II,III)
7. Odissi Sangeeta Sworalipi -Sri A.K. Lenka.
8. Champu Sworalipi- Sangeet Natak Academy/Odissi Research Centre.

Theory

1. Bharatiya Sangeeta Itihas - Dr. D. Hota
2. Utkal Sangeeta Padhati - Shyam Sundar Dhir
3. Bharatiya Sangeeta - N. Panigrahi
4. Sangeeta Sangyan - Sri Ramhari Das
5. Odissi Sangeetara Parampara O Prayoga - Sri Ramhari Das.

HINDUSTANI VOCAL MUSIC

FIRST YEAR

Code - I.M.H.V

Full Marks - 100

Theory - 40

Practical - 60

THEORY

Applied and General Theory

(Each Unit Carries 8 marks and 6 classes annually)

Unit - I

Characteristic features (Sastriya Parichaya) of all the Raagas and Taalas of this year course. Such as :-

- (a) Ragas: -Bhupali, Kafi, Khamaj, Alheyabilawal, Vrindavanisarang, Desh, Kalyan, Asavasri, Bageshree, Durga, Bhimpalasi and Bhairaba.
- (b) Taalas: Tritaal, Jhamptal, Ektal, Chautal, Rupak, Dadra and Kaharwa

Unit - II

Preliminary Knowledge of writing notation of all the compositions of the prescribed raagas and taalas of this year.

Unit - III

Definition of the followings :

Dhwani, Naada, Swara, Sruti, Saptaka, Sangeeta, Raaga, Graha, Ansa, Nyasa, Apanyasa, Vinyasa, Vadi, Samavadi, Anuvadi, Vibadi, Thaata and its Verities, Varna, Purbanga, Utaranga, Alankar, Alaap, Taan, Boltaan, Bolbant, Dhrupad, Khayal, Sargamtaan, Laxyangeet and Bhajan.

Unit - IV

Comparative study of the following :

Raaga - Thaata, Swara-Sruti, Taala-Laya, Alaap-taan, Boltaan-Bolbant.

Unit - V

Life Sketches :

- (a) Pt. V. N. Bhatkhande.
- (b) Pt. V.D. Paluskar
- (c) Taansen

PRACTICAL FOR +2 1ST YEAR ARTS IN IMHV

EACH UNIT CARRIES 12 MARKS & 12 CLASSES ANNUALLY

Unit - I

Candidates will be taught at least one Chhota Khayal with simple Alaap and Taan in each of the following prescribed Raagas :-

Bhupali, Kafi, Khamaj, Vrindabani-Sarang, Desh, Durga, Alheyia-Bilawal, Bageshree Bhimpalasi, Kalyan, Asavari and Bhairaba.

Unit - II

Candidates will be taught the knowledge of Layakeries (2 gun and 4 gun) in the following Taalas - Tritaal, Jhamptal, Ektal, Chautal, Dadra and Kaharwa.

Unit - III

Candidates will be taught one Dhrupad based on any prescribed raag with Dugun and chaugun layakeries.

Unit - IV

Identification of Raagas, Taalas and Swaras which will be asked by the examiner.

Unit - V

Candidates will be taught one Light classical composition (Bhajan)

**HINDUSTANI VOCAL MUSIC
FOR +2 SECOND YEAR ARTS
CODS :- I M H V**

Full Marks -	100
Theory -	40
Practical -	60

THEORY

**APPLIED AND GENERAL THEORY CODE - IMHV
EACH UNIT CARRIES 8 MARKS & 6 CLASSES ANNUALLY**

Unit - I

Characteristic features (Sastriya Parichaya) of all the Raagas and Taalas prescribed for this year course Such as :-

- (a) Bihag, Patdeep, Kedar, Hameer, Tilakkamod, Sankara, Malkauns and Bhairavi,
- (b) Taalas : Dharmar, Jhumura, Tilwara and Vilambit Ektal.

Unit - II

Study of the following :-

- (a) Brief History of Indian Music.
- (b) Physical description and tuning systems of Taanpura.

Unit - III

Definitions :-

Gamak, Meend, Kaku, Jaati and its varieties., Alpatwa, Bahutwa, Gayaki, Nayaki, Janakthaat, Janyaraag, Asrayaraag, Thaata and its varieties.

Unit - IV

Essays :-

- (a) Necessity of Music.
- (b) Role of Taala and Laya in Music.
- (c) A classical Music Evening.

Unit - V

General study of the following :

- (a) Sruti Swara Bibhajana (Ancient, Medieval and Modern Period).
- (b) Notation System of Indian Classical Music (Pt. Paluskar and Pt. Bhatkhande System).

PRACTICAL +2 SECOND YEAR ARTS

HINDUSTANI VOCAL MUSIC

CODE: IMHV

PRACTICAL

(Each Unit carries 12 Marks and 12 classes annually)

Unit - I

Candidate will be taught atleast one chhota-Khayal in each of the following raagas :
Bihag, Pattadeep, Kedar, Hameer, Sankera, Malkouns, Tilak Kamod and Bhairabi.

Arts Stream

Unit - II

Candidates will be taught at least 2 Badakhayal in any of the prescribed raagas with Alaap, Boitaan and Taan.

Unit - III

Candidates will be taught one Dhrupad based on any Raaga of this year with layakaries : (2 gun, 3 gun and chaugun 4 gun)

Unit - IV

Candidates will be taught the following taalal with layakeries (2 gun, 3 gun and Chaugun 4 gun)

(a) Jhumura (b) Dhamar (c) Tilwara and (d) Vilambit Ektal.

Unit - V

(a) Candidates will be taught 2 light classical composition.

(b) Candidates will be taught to identify the Raagas, Taalas and Swaras asked by the examiner from the syllabus.

DIVISION OF MARKS AND TIME PRESCRIBED FOR EACH CANDIDATE AT THE TIME OF PRACTICAL EXAMINATION. (FOR BOTH THE YEAR)

- | | |
|---|--------------------|
| 1. Each candidate will have to select one Badakhayal and Chhota Khayal based on any raaga of the course as his/her choice, which carries. | 15 minutes |
| 2. Each candidate will have to demonstrate one Dhrupad with layakaries which carries. | 05 minutes |
| 3. Examiners Choice from the course other than candidates choice which carries. | 05 minutes |
| 4. Test of Taalas with layakaries which carries. | 05 minutes |
| 5. Identification of Swara, Raaga and Taala which carries. | 05 minutes |
| 6. Each candidate will have to demonstrate one light classical composition which carries. | <u>05 minutes.</u> |
| Total : | 40 minutes |

Time for each candidate.

Prescribed Book for +2 1st Year and IInd Year in HINDUSTANI VOCAL MUSIC.

1. Hindustani Sangeet Lahari (Part-I, II, III) - By Dr. Damodar Hota.
2. Sangeeta Shastra - By Dr. Damodar Hota)
3. Bharatiya Sangeetara Raltihis - By Dr. Damodar Hota.
4. Raaga Sangeeta (Part-I, II, III) - by Dr. M.C. Senapati

5. Sangeet Visharad - By Vasant, Hatharas, U.P.
6. Raga Parichaya (Part-I, III)- By Harischandra Srivastava. Hatharas, U.P.
7. Sangeetanjali (Part-I, II, III)- By P. Omkarnath Thakur.Hatharas, U.P.
8. Raga Vigyan (Part-II, III)- By Y. R. Pattavardhan. Hatharas, U.P.
9. Hamare Sangeet Ratna - By Hatharas L.N. Garg.Hatharas, U.P.
10. Bhatkhande Sangeeti Shastre, (Part-I, II) - By V.N.Bhatkhande Hatharas, U.P.
11. Kramik Pustak Malika (Part-I, II) - By Pt. V. N. Bhatkhande. Hatharas, U.P.

INDIAN MUSIC (TABLA)

SUBJECT CODE :- IMP

The course consists of two theory papers each carrying 40 marks each of 2 hours duration and two practical paper carrying 60 marks each.

The theory paper - I shall be covered in the 1st year and the theory paper - II in the Second Year. The Practical Examinations i.e. (Practical Paper - I and Practical Paper - II) shall also be conducted in the 1st and 2nd year respectively.

**THEORY PAPER - I
(APPLIED AND GENERAL THEORY)
FOR FIRST YEAR**

Each unit carries 8 marks :

	30 periods
Unit - I	6 periods
(a) Music: Definition of Music according to musicians.	
(b) Origin of Music: -Religious theory regarding its origination.	
(c) Significance of Music: It's impact on human beings.	
Unit - II	7 periods
(a) Musical Instruments of India :- Classification, their definition.	
(b) Abanadha Badya of India :-It's definition, classification and structure.	
(c) Life history of tabla: It's origin, structural method and role in Music.	
Unit - III	7 periods
Essay of the followings :-	
(a) Importance of Tal in Music.	
(b) Aim of learning Tabla.	
(c) A musical programme you have attended.	
(d) Role of Radio and Television in Propagation and spread of Music.	
Unit - IV	5 periods
(a) Typical qualities of Tabla players.	
(i) Their good and bad qualities.	
(ii) Their impact on the audience	
(b) Description of Tal :- Definition, their characteristics.	

Arts Stream

Unit - V

5 periods

Definition of various musical terms :-

Abanadha, Tal, Theka, Matre, Bivag, Som, Khali, Bole, Chhanda and Jati.

Total - 30 periods

PRACTICAL

Time- 40 minutes

The division of marks is as follows :-

1. Each candidate will have to select. One Tal of this courses for if his/her sole (Lahara) performance as choice Tal. 20 marks-15 minutes.
2. Each candidate is required to play the sole (Lahara) as desired by the examiner :- 15 marks - 10 minutes.
3. Each candidate is required to play one kayada with palats and Tyahi besides his/her choice :- 10 marks-05 minutes.
4. Test of Tal from the course- 10 marks -05 minutes.
5. Each candidate will have to play either Rela or Tukuda or Damdar Tyahi as directs :- 5 marks - 05 minutes.

**PRACTICAL
FOR 1ST YEAR**

Each unit carries twelve marks

Full marks - 60

60 periods

Unit - I

12 periods

- (a) Practice of the following Banees.
TA, NA, Tin, Tee, Tuna, Ke, Ka, Ge, Ghe, Dha, Dhin, Tete, Terekete, Kedenaga and Ghedenag.
- (b) Recitation of Thekas :-
Trital, Jhamptal, Ektal, Jhumura, Tilwada, Rupak, Teora, Dadra, Dhumali and Kaharawa.
- (c) Candidate will be taught Barabar, Digun and Chaugun layakararies.

Unit - II

15 periods

- (a) Characteristic features of all the prescribed taalās.
- (b) Candidates will be taught Drutt Thekas of Trital, Jhamptal, Rupak, Kaharawa, Jhumura, Ektal, Tilwada, Teora, Dadra and Dhumali.

Unit - III

15 periods

Candidates will be taught atleast two Kayada with plalats and two Damdar Tyahis set to Trital .and Jhamptal each with the help of Ghedenag, Keedenag, Dha, Dhin, Tuna and Din Banees.

Unit - IV

10 periods

- (a) Candidates will be taught the padhat of Tukuda, Kayada and Theka by beating of hand showing Som, Tali, Khali and Bivag.
- (b) Candidates will be taught at least two Tukuda in Trital and Jhamptal each.

Unit - V

8 periods

- (a) Candidates will be taught mukhuda set to Trital and Jhamptal each.
- (b) Candidates will be taught the prakars of Trital and Jhamptal.

Total - 60 periods

SECOND YEAR
THEORY (Applied and General theory)

30 periods

Each Unit carries 8 marks:-

Unit - I **5 periods**

- (a) Letters of Tabla :-Main letters, their categories and production from different parts.
- (b) Sangat and Sole Playing :- Definition of Sangat Sole and their Principles.
- (c) Tuning System of Tabla :- Necessity of tuning, Principles of tuning the tabla and Dugee.

Unit - II **6 periods**

- (a) Notation Systems: - Categories used in Indian Music, Principles of B.N. Bhatkhande and B.D. Paluskar notation system.
Similarities and dissimilarities between those two systems.
- (b) Similarities and dissimilarities between various Talas.
Trital :- Tilwada
Rupak :- Teora
Dipchandi :- Jhumura
Dhumali :- Kaharawa

Unit - III **4 periods**

Definition of various musical terms :- Kholi, Mudi, Theka, Prakar, Palat, Kayada, Rele, Mukhuda, Tukuda, Uthan, Peskar, Tyahi and Laya.

Unit - IV **8 periods**

- (a) Dasapran of Tal: - It's definitions and divisions.
- (b) Life history Of eminent Tabla players :-
 - (i) Ahamadjan Thirgwa
 - (ii) Kanthe Maharaj
 - (iii) Khетramohan Kar
 - (iv) Nab kumar Panda
 - (v) Sampta prasad Mishra

Birth and musical tradition of their family learning, speciality, personality and contribution to the world of music.

Unit - V **7 periods**

Gharana and Baj

Their origin, definition, categories, similarities and dissimilarities between Delhi and Banaras Baj.

Total -30 periods

SECOND YEAR
PRACTICAL

Each unit carries twelve marks :- **60 periods**

Unit - I **12 periods**

- (a) Candidates will be taught to play Ekgun, Digun and Chaugunlaya of Theka set to Trital, Jhamptal and Rupak.
- (b) Candidates will be taught atleast one simple Rela set to Trital, Jhamptal and Rupak tal each.

Arts Stream

Unit - II **10 periods**

Candidates will be taught two kayada with palate and one Damdar Tyahi in each set to Trital, Jhamptal with the help of Tereketa, Dhetetete and Kredhetete Banees.

Unit - III **14 periods**

- (a) Candidates will be taught to play Prakars set to Trital, Jhamptal, Rupak, Kaharawa and Dadratal.
- (b) Candidates will be taught to play the Drutt thekas of Ektal, Jhumuratal, Dhumali, Tilwara and Teoratal with Prakars.

Unit - IV **12 periods**

- (a) Candidates will be taught to play Kayada in Ghedenag Banee.
- (b) Candidates will be taught Kayada in Tereketa Banees.

Unit - V **12 periods**

- (a) Candidates will be taught to play two tukudas set to Trital, Jhamptal and Rupaktal in each.
- (b) Candidates will be taught to play Chakradar set to Trital, and Jhamptal.
- (c) Candidates will be taught to play Drutt Thekas set to Trital, Jhamptal, Dadratal and Kaharawa with various prakars.

Total - 60 periods



INFORMATION TECHNOLOGY

(Arts/Sc./Commerce)

FIRST YEAR

(THEORY)

UNIT-I

MARKS:70

a. Overview of Information Technology:

Interdiction of I.T, Data & its different forms, Distinction between data and information, Data Processing System, Use of I.T in business, education, Medicine, Entertainment, Office Automation, Research & Development, Concept of hardware and Software.

b. COMPUTER:

Characteristics of digital computer, evolution of computer, classification of computer, use of binary number system in computer (idea of bit, word , nibble & byte), Components of a computer, CPU & its working, Main Memory, static & dynamic RAM , Cache, ROM, Secondary Memory (hard disk, floppy, optical disk), Input-Output devices (keyboard, monitor, mouse, OCR, MICR, Barcode Reader, Scanner, Joystick), Printer (DMP, Ink-jet, Laser Printer), Plotter, Use of Smart Card.

c. COMUNICATION:

Basic elements of communication system, Data Transmission Modes _____Simplex, Half-Duplex & Full Duplex, Transmission Media_____ Twisted pair cable, Coaxial cable, Optical Fibre, Radio Link , Microwave Link & Satellite Link, Network Technology, Network Types _____ LAN, MAN & WAN 56kbps Modern, Cable Modern & DSL Modern, Client Server Concept.

UNIT-II

a. SOFTWARE:

System Software & Application Software, Operating System, Types Of Operating System & Its Uses. Programming Languages (Machine Level, Assemble Level, & High Level Languages), Assembler, Compiler and Interpreter.

Programming Tools: Use of Flowchart & Algorithm in Programming Development, Steps in Program Development.

b. MULTIMEDIA:

Interdiction to Multimedia, Multimedia Components _____ Text, Graphics, Animation, Audio, Video, Multimedia Applications.

UNIT-III

a. PROGRAMMING IN C:

Data Types, Variables & Constants, Operators & Expressions, Input & Output Control Function, Control Statements ----- IF, IF-----ELSE, Nested IF----ELSE Statements, Switch Statements, Conditional Operator & GOTO Statements, Decision Making & Looping While Statement, Do While Statement, For-----Next Statement, BREAK & CONTINUE Statements, Arrays One Dimensional & Multidimensional Arrays, Handing of Character Strings.

(PRACTICAL)

1. SAME AS EARLIRR

MARKS: 30

INFORMATION TECHNOLOGY
(Arts/Sc/Commerce)
SECOND YEAR
(THEORY)

UNIT-I

MARKS: 70

a) Introduction To Internet :

Internet Backbones & Its Feathers, Internet Access Dial-Up Connection, Direction Connection & Broadband Connection, Role of ISP , Function of Hub, Switch, Bridge, Router, Repeater & Gateways in Internet, Internet Protocols TCP/IP, FTP, HTTP, TELNET, Gopher & WAIS, Internet Addressing IP address, domain names, E-mail Address & URLs, Distinction between Internet , Intranet & Extranet.

b) Internet Application :

WWW, Web Sites & Web Pages, Web Browsing & Web Browsers, Search Engine, File Down Loading & Uploading, Chatting, Internet Relay Chat(IRC), E-mail & its features, Mailing Lists & Newsgroups, Internet Telephony System.

UNIT-II

a. Introduction to Database Management System :

Basic Concepts Of Database Design, Components Of Database Design, Database & Its Features, Data Normalization, Normal Forms 1st , 2nd & 3rd Normal Forms, DBMS & Its Types, Advantages Of DBMS, Data Warehousing Definition, Different Layers, Components, Advantages, & Applications Area, Data Mining Definition, Its Evolution, Technologies Used Data Mining, Advantages, Application Area , Geographical Information System Definition, Components, Advantages, Uses & Application Area, E-Commerce Definition, Its Types With Advantages, Disadvantages, Application Area.

b. Network Security On Internet :

Threats & Prevention From Viruses, Worms Trojan Horse, Spans, Use of Cookies, Protection Using Firewall, Proxy Server , Concept of Public Keys & Private Key, Use of Digital signature, VPN.

c. Cyber Crime:

Definition & its Types Cyber Talking, Hacking, software Piracy, On-line Fraud, Pornography, Spooling, Cyber Laws, India IT Act related to Cyber Laws, Intellectual Property Rights Issues.

UNIT-III

a) Introduction to Visual Basic & Development Environment:

Object-oriented programming feature, Visual Basic and the integrated development environment, VB programming process, projects Explorer, from layout, Creating application, Project & interface, VB intrinsic controls, Working with controls , From design , Development environment and customization, SDI & MDI customization & applications

b) Introduction to VB language :

Data Types, variable, Operators, Expressions, General statements & Control statements, Arrays, Built-in function & Procedures, Control Arrays & User-defined procedures, Creating & Calling Function.

(PRACTICAL)

1. SAME AS EARLIRR

MARKS: 30



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