COUNCIL OF
HIGHER SECONDARY EDUCATION
ODISHA, BHUBANESWAR

COURSES OF STUDIES
IN
ARTS STREAM

FOR THE
HIGHER SECONDARY EXAMINATION
2015 AD

Rs. 20.00
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SCHEME OF STUDIES

The following combinations in two years +2 Arts course of 2013-14 admission batch under CHSE(O) are allowed. Any deviation to this shall not be entertained.

1. **Compulsory Subjects**
   a) English
   b) M.I.L. (Odia / Telugu/ Bengali/ Urdu / Hindi/ Sanskrit/Alternative English)

   Compulsory subjects (English and M.I.L.) carry 200 marks each
   (100 Marks in 1st year and 100 marks in 2nd year)

2. **Compulsory Subjects (To be assessed at the college level only)**
   Three compulsory subjects, Environmental Education (EE), Yoga, and Basic Computer Education (BCE) carry 100 marks each (1st year-Theory-70 marks and 2nd year - project/practical 30 marks) will be assessed at the college level 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 (EE/Yoga/BCE) will not affect the result of the candidate. The grade secured in individual subject shall be as follows.

<table>
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<th>Marks</th>
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<td>70% and above</td>
<td>Gr A+</td>
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<tr>
<td>60% to 69%</td>
<td>Gr A</td>
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<td>50% to 59%</td>
<td>Gr B</td>
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<td>35% to 49%</td>
<td>Gr C</td>
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<td>Below 35%</td>
<td>Gr D</td>
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3. **Elective Subjects**
   1. History
   2. Political science
   3. Economics/IRPM
   4. Logic/Geography
   5. Mathematics/Home Science
   6. Education/Psychology/Indian Music
   7. Anthropology/Sociology/Statistics
   8. Odia/Sanskrit/Persian/Hindi/Urdu/Bengali/Telugu.
   9. Information Technology.

Elective subjects carry 200 marks each (100 marks in 1st year and 100 marks in 2nd year). A student has to offer four elective subjects (1st, 2nd, 3rd & 4th electives) in addition to compulsory subjects (English, MIL, EE, YOGA and BCE)
COURSE STRUCTURE & DISTRIBUTION OF MARKS IN SUBJECTS

With the introduction of the new Course structure from the academic session 2006-07, basically to de-stress the students joining +2 courses under the CHSE, Odisha, 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 and 600 marks in total. Marks secured in the 1st year examination shall be considered only for promotion of students to the 2nd year class and it will have no bearing on the terminal examination, conducted by the Council at the end of the 2nd year. To become eligible for filling up of form for A.H.S examination, a student must have completed 2nd year course, sent up in the college level Test examination, secured minimum “D” grade in the college level examination of each subject i.e EE, YOGA and BCE, having minimum 75% attendance in individual subject (Theory and practical separately). How ever a student may be allowed in Alternative English and MIL other than MIL(O) without the classes being held.

Pass certificates will be awarded to successful candidates basing on the performance in the Council examination at the end of the 2nd year only as follows.
- Pass mark (Theory=30%, Practical=40%, Aggregate=35%)
- Division (1st =60% or above, 2nd =50% or above, 3rd =35% or above)

QUESTION PATTERN & DISTRIBUTION OF MARKS IN SUBJECTS WITH PRACTICAL
FOR H.S EXAMINATION 2015
Total Marks-100  (Theory - 70 Marks & Practical- 30 Marks)

Theory (Total mark:70 ,Time: 3 hrs)

Group – A  (Objective Type - Compulsory)

Q.1.  Multiple Choice (10 bits from all units) 1 mark each × 10 = 10 marks

Q.2.  One word answer / Very Short Answer/ Correct the Sentence / Fill in the blanks. 1 mark each × 10 = 10 marks

Group – B (Short Answer Type)

Q.3.  Answer within two - three sentences 2 marks each × 10 = 20 marks
(out of 12 bits, one has to answer 10 bits)

Q.4.  Answer within six sentences 3 marks each × 3 = 9 marks
(Out of five bits, one has to answer three bits)

Group C (Long Answer Type)

Q5. to Q7  Out of six Questions from all units
one has to answer three question unit wise 7 marks each × 3 = 21 marks

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QUESTION PATTERN AND DISTRIBUTION OF MARKS IN SUBJECTS WITHOUT PRACTICAL
For H.S. Examination 2015 (Total Marks – 100, Time:3hrs)

**Group – A (Objective Type – Compulsory)**

Q.1 Multiple choice (15 bits from all units) 1 mark each x 15 =15 marks
Q.2 One word answer / Very short answer/ correct the sentence / fill in the blanks 1 mark each x 15=15 marks

**Group B (Short Answer Type)**

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

**Group C(Long Answer type)**

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

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ENGLISH
+2, 1st year Arts
(Detailed syllabus)

No of periods: Yearly-80

Unit-I: 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

Unit-II: POETRY
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

Unit-III: NON DETAILED STUDY
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

Unit-IV: WRITING SKILLS
(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

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

Books prescribed: Invitation to English- 1, 2, 3 & 4, published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.
QUESTION PATTERN AND DISTRIBUTION OF MARKS
ENGLISH
+ 2, 1st year Arts (For College Level Examination)

Full Mark : 100 Time : 3 Hrs.

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: 150) 10 marks
   c) Slogan/telegram/caption writing (Word limit: 10) 5 marks

4. Grammar in context 10 marks

5. Translation/story-developing 10 marks

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ENGLISH
+2, 2nd Year Arts
(Detailed syllabus)

No. of periods: Yearly-80

Unit-I : 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

Unit – II : POETRY
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

Unit – III : NON-DETAILED STUDY
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

Unit – IV : WRITING SKILLS
(i) Interpreting Graph, Charts Tables and diagrams etc
(ii) Reporting Events and Business Matters
(iii) Note-making and summarizing
(iv) Extended Writing:

Unit – V : GRAMMAR
I. Revision of ‘Tense Pattern’s’ and ‘Modal verbs’
II. Conditionals
III. The Passive
IV. Direct and Reported Speech
V. Interrogatives
VI. Phrasal Verbs

Books prescribed: Invitation to English -1, 2, 3 & 4, published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
ENGLISH
+2, 2nd year Arts (For H.S. Examination 2015)

Full Mark : 100  
Time : 3 Hrs.

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
       (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 (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

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ବିଶ୍ୱବିଦ୍ୟାଲୟର ମଧ୍ୟରେ ବାତାର ପାତା - ଓଡିଶା
+ବ ରାଇତିକ ହାର୍ଦକାଣ୍ଡର ଘଟନା, ପିତାରେ - ସ୍ତ୍ରୀ

data

ବିଶସ୍ତ ପାତା - କାଶୀ-ରି

ରାଜକୀୟ କାର୍ଯ୍ୟ - ପାତା (୨୦ ବିଶସ୍ତ)
1. ରାଜକୀୟ ମାଧ୍ୟମରେ - ରାଜକୀୟ ମାଧ୍ୟମରେ ବାତାର ପାତା
2. ରାଜକୀୟ ମାଧ୍ୟମରେ ବାତାର ପାତା ଓ ବାତାର ପାତା - ଭାରତ ଏବଂ ଆଁ
3. ରାଜକୀୟ ମାଧ୍ୟମରେ ବାତାର ପାତା ଓ ବାତାର ପାତା - ଭାରତ ଏବଂ ଆଁ
4. ରାଜକୀୟ ମାଧ୍ୟମରେ ବାତାର ପାତା ଓ ବାତାର ପାତା - ଭାରତ ଏବଂ ଆଁ

ଵିଶସ୍ତ କାର୍ଯ୍ୟ - ପାତା (୨୦ ବିଶସ୍ତ)
1. ରାଜକୀୟ କାର୍ଯ୍ୟ - ରାଜକୀୟ କାର୍ଯ୍ୟ
2. ରାଜକୀୟ କାର୍ଯ୍ୟ - ରାଜକୀୟ କାର୍ଯ୍ୟ
3. ରାଜକୀୟ କାର୍ଯ୍ୟ - ରାଜକୀୟ କାର୍ଯ୍ୟ
4. ରାଜକୀୟ କାର୍ଯ୍ୟ - ରାଜକୀୟ କାର୍ଯ୍ୟ

କାର୍ଯ୍ୟ ତାଳା - ସାଇବା (୨୦ ବିଶସ୍ତ)
1. କାର୍ଯ୍ୟର ପାତା - ସାଇବା
2. କାର୍ଯ୍ୟର ପାତା - ସାଇବା
3. କାର୍ଯ୍ୟର ପାତା - ସାଇବା

ମାଧ୍ୟମରେ : ବିଶସ୍ତ ପାତା - ବାତାର ପାତା (ଭାରତ ଏବଂ ଆଁ) - ରାଜକୀୟ ମାଧ୍ୟମରେ, ବାତାର ପାତା, ବାତାର ପାତା
ଆଖରେ କାର୍ତ୍ୟର ଓଡିରି ବିଦ୍ୟାବିଷ୍ଟତା
କାଙ୍କେଲି ପାଠଶାଳି କାର୍ତ୍ୟ - ଓଡିରି
+ 9 ପାଠଶାଳି ଫାର୍ୟ - ଓଡିରି (ପିଙ୍ଗର୍ଣଣ ବିଦ୍ୟାପରକ)

ପ୍ରତ୍ୟେକ ଅବିଶ୍ୟ- ୧୦୦

ପାଠଶାଳି ଦିନ (ରହିଛ ଅଲିପି ଦାମରୁ ଓଡ଼ିରି)

ପ୍ରତି ୧. ପାଠଶାଳି ପାଠଶ୍ରେଷ୍ୟ ନିଶ୍ୟ ପ୍ରଜାତି ଦାମରୁ ଓଡ଼ି ଅଲିପି ଘଟନି ବାହି

ଦାଙା - ୬ ୪=୪

ଓଙା - ୬ ୪=୪

ପାଶ୍ବିତା - ୬ ୪=୪

ପ୍ରତି ୨. ସାତକାଳିକ ବାଳକଙ୍କି ଦାମରୁ ଘଟନି ବାହି

(୬ ୪=୨କାଳି)

ଦାଙା-ପାଠଶ୍ରେଷ୍ୟ ୬ ୪=୨କାଳି ଦାମରୁ ଘଟନି ବାହି

ଓଙା-ପାଠଶ୍ରେଷ୍ୟ ୬ ୪=୨କାଳି ଦାମରୁ ଘଟନି ବାହି

ପାଶ୍ବିତା-ପାଠଶ୍ରେଷ୍ୟ ୬ ୪=୨କାଳି ଦାମରୁ ଘଟନି ବାହି

ଦାଙା-ବାଳକଙ୍କି ଖାସଙ୍କି ଦାମରୁ ପରପରି ୨ କାମରୁ ଘଟନି

(୬ ୪=୨କାଳି)

ପ୍ରତି ୩. ପାଠଶାଳି ପାଠଶ୍ରେଷ୍ୟ ନିଶ୍ୟ ପ୍ରଜାତି ଦାମରୁ ଘଟନି ବାହି

(୬ ୪=୨କାଳି)

ଦାଙା-ପାଠଶ୍ରେଷ୍ୟ ଦାମରୁ ଘଟନି ପାଠଶାଳି ଦାମରୁ ଘଟନି

ଓଙା-ପାଠଶ୍ରେଷ୍ୟ ଦାମରୁ ଘଟନି ପାଠଶାଳି ଦାମରୁ

ପାଶ୍ବିତା-ପାଠଶ୍ରେଷ୍ୟ ଦାମରୁ ଘଟନି ପାଠଶାଳି ଦାମରୁ

(୬ ୪=୨କାଳି)


ଡ଼ୟୁଳ୍ୟୁ ପି ଓଡ଼ିଆ ବିଷ୍ୟର ବିଶେଷ ପଠନ ।

(୯ x ନ୍ଯୁ ଜ୍ୟ - ନାତିଶୁ ପି ବିଷ୍ୟର ବିଶେଷ ପଠନ ।

(୯ x ନ୍ଯୁ ଜ୍ୟ - ନାତିଶୁ ପି ବିଷ୍ୟର ବିଶେଷ ପଠନ ।

ଜୁଣିଳୀା - ନାତିଶୁ ପି ବିଷ୍ୟର ବିଶେଷ ପଠନ ।

ଢୁରା ବାସ (ଅପନି ବିଷ୍ୟରେ ସ୍ୱନ୍ତିତ)

ଘଟ୍ରେ ୨. ଦୃଢାଗଳୀ ସୁପ୍ରଶୁଦ୍ଧ ତାଲୋ ୨୪୦ ଏକ ଶ୍ରେଣୀ ଚାଲାବାଇ ଚାଲାବ ।

(ସ x ନ୍ଯୁ =୨୨ ଅଦାର) 

ଢଳିଃ : ୨୦ ଏକ ତାଲ୍ପରିକ ଚାଲାବାଇ ଚାଲାବ । (ସ x ୨ =ସାଧାରଣ)

ଘଟ୍ରେ : ୨୦ ଏକ ତାଲ୍ପରିକ ଚାଲାବାଇ ଚାଲାବ । (ସ x ୨ =ସାଧାରଣ)

ଜୁଣିଳୀା : ୨୦ ଏକ ତାଲ୍ପରିକ ଚାଲାବାଇ ଚାଲାବ । (ସ x ୨ =ସାଧାରଣ)

ପ୍ରଦୌତିକରାକ୍ତୀକାର : ୨୦ ଏକ ତାଲ୍ପରିକ ଚାଲାବାଇ ଚାଲାବ । (ସ x ୩ =ସାଧାରଣ)
ଶାକୁଲିକ ଖାଦ୍ୟ ଲୋଗାର୍ଥରେ - କରିବ
+ଭାଗରେ ଯୁଜ୍ଣା - କରିବ

ପରିଚୟ ବିଷୟରେ - କରିବ-৫°

ଯୁଜ୍ଣା ବିଷୟ ସଫଳତା (90 ମଧ୍ୟରେ)

1. ଖାମାରେ ଖାମସରେ କରିବ ଖୋପା - କରିବ ଖେଲ
2. ଲେଖା - ପାଇଏ ପାଇଁସରେ
3. ପଣି - ପ୍ରତିବର୍ତ୍ତି ପ୍ରତିବର୍ତ୍ତି
4. ତାର ହସନ ଓ ହସନିଁ - କରାକାସରେ କରିବ ଖେଲ

ଯୁଜ୍ଣା ବିଷୟ ସଫଳତା (90 ମଧ୍ୟରେ)

1. ଖାମାରେ ଖାମସରେ କରିବ ଖେଲ
2. ପଣି - ପାଇଏ ପାଇଁସରେ
3. ତାର ହସନ ଓ ହସନିଁ - କରାକାସରେ କରିବ ଖେଲ
4. ଖାମାରେ ଖାମସରେ କରିବ ଖେଲ

ଖାମାରେ ବିଷୟ ବିଷୟ ବାଜାର (90 ମଧ୍ୟରେ)

1. ଖାମାରେ ଖାମସରେ ଖେଲ କରିବ ଖେଲ
2. ଖାମାରେ ଖାମସରେ ଖେଲ କରିବ ଖେଲ
3. ଖାମାରେ ଖାମସରେ ଖେଲ କରିବ ଖେଲ
4. ଖାମାରେ ଖାମସରେ ଖେଲ କରିବ ଖେଲ

ଖାମାରେ ବିଷୟ ଖାମାରେ ବାଜାର (90 ମଧ୍ୟରେ)

1. ଖାମାରେ ଖାମସରେ ଖେଲ
2. ଖାମାରେ ଖାମସରେ ଖେଲ
3. ଖାମାରେ ଖାମସରେ ଖେଲ
4. ଖାମାରେ ଖାମସରେ ଖେଲ

ଆପଣରେରୁ : କରିବ ଖାମାରେ - କରିବ ଖେଲ (କରିବ ଖେଲ ଖେଲ ଖେଲ ଖେଲ ଖେଲ ଖେଲ ଖେଲ ଖେଲ, ଖେଲକୁକୁକୁ)
ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା ଓ ରାଖା ଲିଖାରୁ
କାଲରୁକୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା - ଓଡିଶା
+9 ପିଠାପାର ଭାଷା - କବିତା (କବିତାରୁକୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା - ୯ରେ)

ମୂର୍ତ୍ତି ସଂଖ୍ୟା-୫୦୦

ଉଦାହ୍ୟ ଲାତ (କବିତାରୁକୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା)

ଉଦାହ୍ୟ ୨. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଚାପ - ଚାପ ହିତି ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା ହେବାରୁ - ୧ x ୪=୪

ଉଦାହ୍ୟ ୩. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଉଦାହ୍ୟ ୪. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଘାଟକାନ୍ତରେସ୍କୁ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ମୃତ୍ୟୁ ଲାତ (କବିତାରୁକୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା)

ଉଦାହ୍ୟ ୫. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଉଦାହ୍ୟ ୬. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଉଦାହ୍ୟ ୭. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଉଦାହ୍ୟ ୮. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରି� ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଉଦାହ୍ୟ ୯. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)

ଉଦାହ୍ୟ ୧୦. ୧୪ରେ ପ୍ରଶ୍ନଙ୍ଗ ଭାରତୀୟ ଭାଷାରୁ ପ୍ରଶ୍ନଙ୍ଗ ଦାଣା କହାଣି କରିବ ଦାଣା। (୨ x ୪=୪ ପ୍ରଯୁକ୍ତ)
4. ତି ପାପି କମାପି ଯାଦି ପାପି କମାପି 30୧ି ରବର ଛକର । (3 x 8 = 24 ରଖିମା)
(8୧ ପାପି କମାପି କମାପି 2୦ରାଣୀ ଛକର)
ପାବି - ଯାଚିଲି ସିରି କମାପି କମାପି ଛକର ।
ପାବି - ଯାଚିଲି ସିରି କମାପି କମାପି ଛକର ।
ପାବି - ଯାଚିଲି ସିରି କମାପି କମାପି ଛକର ।

ବୃତ୍ତି ଲାବେ (ଆହାର ଲାବେରୁ ଯୁଶୁ)

ସିରି 8. ତୁ ଗ୍ର. ସ୍ୱାଧୀନ ପାପି କମାପି ସ୍ୱାଧୀନ କମାପି ଛକର ।
(5 x 8 = 40 ରଖିମା)
ସିରି - ଗ୍ର. ପାପି ପାପି କମାପି କମାପି କମାପି ଛକର ।
(5 x 8 = 40 ରଖିମା)
ସିରି - ଗ୍ର. ପାପି ପାପି କମାପି କମାପି କମାପି ଛକର ।
(5 x 8 = 40 ରଖିମା)
ସିରି ପରିଚୟକ : ଗ୍ର. ପାପି ପାପି କମାପି କମାପି କମାପି ଛକର । (8 x 2 = 16 ରଖିମା)
M.I.L. (HINDI)  
+2 1st Year Arts  
( Detailed Syllabus)

No. of Periods : Yearly - 80

1. Unit – I (गद्य)  
अनुवाद (All)  
20 Periods

2. Unit – II (काव्य)  
अनुवाद (All)  
20 Periods

3. Unit – III (भाषा अध्ययन)  
अनुवाद (All)  
20 Periods

4. Unit – IV (निबंध)  
सामसामियक विषय (All)  
20 Periods

Books Prescribed :
पाठक पुस्तक : साहित्य विभिना  
- सं. प्र. एम. वेंकटेश्वर  
- डा. स्मरणिया मिश्र  
- सोनम प्रकाशन,  
बादामबाड़ी, कटक

QUESTION PATTERN AND DISTRIBUTION OF MARKS  
MIL (HINDI)  
+2 1st Year Arts (For College Level Exam.)

Full Mark : 100  
Time : 3 Hrs.

GROUP-A (OBJECTIVE TYPE)

1. Multiple Choice (5 questions from units I, II & III each)  
[1x15=15 Marks]

2. One word answer (from units I, II & III) /  
Correct the sentences (from units I, II & III) /  
Fill up the Blanks from units I, II & III  
[1x15=15 Marks]

GROUP-B (SHORT ANSWER TYPE)

3. Write notes on any five (From Unit-I, II & III)  
(out of 14 bits, one has to answer 11 bits in 2 to 3 sentences each)  
[2x11=22 Marks]

4. Explain only (From Unit – I & II)  
(out of 8 bits, one has to answer 6 bits in 6 sentences each)  
[3x6=18 Marks]

GROUP-C (LONG ANSWER TYPE)

5. to 10.Long answer type questions from units I, II, III & IV  
(out of 6 questions, one has to answer 4 questions in  
about 150 words each)  
[7½ x4=30 Marks]
M.I.L. (HINDI)
+2, 2nd Year Arts
( Detailed Syllabus)

No. of Periods : Yearly - 80
1. Unit – I (पद्य) 
   सम्पूर्ण (All) 20 periods
2. Unit – II (काव्य) 
   सम्पूर्ण (All) 20 periods
3. Unit – III (कहानी) 
   सम्पूर्ण (All) 20 periods
4. Unit – IV  
   (क) पत्र लेखन (व्यक्तिगत एवं आवेदन पत्र) 20 periods
   (ख) पत्रलवन

Books Recommended :
पाठक पुस्तक : साहित्य विविधा- II  - सं. डा. शंकरलाल पुरोहित
                        - डा. कमलप्रभा कपानी

QUESTION PATTERN AND DISTRIBUTION OF MARKS
MIL (HINDI)
+2 2nd Year Arts (For HS Exam. 2015)

Full Mark : 100  Time : 3 Hrs.

GROUP-A (OBJECTIVE TYPE)
1. Multiple Choice (5 questions from units I, II & III each) [1x15=15 Marks]
2. One word answer (from units I, II & III) / 
   Correct the sentences (from units I, II & III) 
   Fill up the Blanks from units I, II & III [1x15=15 Marks]

GROUP-B (SHORT ANSWER TYPE)
3. Write notes on any five (From Unit-I, II & III) [2x11=22 Marks] 
   (out of 14 bits, one has to answer 11 bits in 2 to 3 sentences each)
4. Explain only (From Unit – I & II) [3x6=18 Marks] 
   (out of 8 bits, one has to answer 6 bits in 6 sentences each)

GROUP-C (LONG ANSWER TYPE)
5 to 10. Long answer type questions from units I, II, III & IV [7½ x4=30 Marks] 
   (out of 6 questions, one has to answer 4 questions in about 150 words each)
M.I.L (BENGALI)
+ 2, 1st Year Arts
(Detailed syllabus)

No. of Periods: Yearly-80

Unit – I : Prose : 20 periods
1. Bangladeshe Nilkar - Pyarichand Mitra
2. Sitar Banabas - Iswarchandra Vidyasagar
3. Bisarjan - Bankimchandra Chattopadhya
4. Sudra Gagaran - Swami Vivekananda

Unit – II : Poetry : 20 periods
1. Srigoura Chandra - Gobindra Das Kabiraj
2. Bhabollas - Vidyapati
3. Premer Tulana - Durja Chandidas
4. Avigir Akshep - Gyandas

Unit – III : Novel (Non-Detailed) 20 periods
Srikanta (Chapter – 1 to 7) – Sarat Chandra Chattopadhay

Unit – IV : Grammar 20 periods
Proverbs and Indioms, Sentence and Word formation, Anonyms and Synonyms

Books Prescribed :
A. Prose : Uchha Madhayamik Bangia Sankalan (Gadya) for XI & XII, Published by Paschim Banga Uchha Madhyamik Sikhsa Sansad, Viswa Vharati.
B. Poetry : Madhukari – Kalidas Ray, Published by Orient Book Company, Kolkata – 12

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
MIL (BENGALI)
+ 2, 1st Year Arts (For College Level Exam)

Full Mark : 100 Time : 3 Hrs

Group – A (Objective Type – Compulsory)
Q.1 Multiple choice (15 bits from all units) 1 mark each x 15 =15 marks
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 sentences 2 marks each x 11 =22 marks (out of 14 bits, one has to answer 11 bits)
Q.4. Answer within six sentences 3 marks each x 6 = 18 marks
(Out of eight bits, one has to answer six bits)

Group C(Long answer type)
Q.5. Out of six Questions from all units, one has to answer 4 questions.
Q.10 7.5 marks each x 4 = 30 marks

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M.I.L (BENGALI)
+2, 2nd Year Arts
(Detailed syllabus)

No. of periods: Yearly-80

Unit – I : Prose :
1. Bangia Bhasa - Haraprasad Sastri
2. Tota Kahini - Rabindra Nath Tagore
3. Naisha Avijaa - Sarat Ch. Chattopadhyay
4. Aranya - Bibhuti Bhushan Bandopadhay

Unit – II : Poetry :
1. Baisakh - Oebendra Nath Sen
2. Lohar Byatha - Jatindra Nath Sengupta
3. Swarga Haite Viday - Rabindra Nath Tagore
4. Rupai - Jasimuddin

Unit – III : Novel – (Non – detailed Study)
Srikanta (Chapter 8 to 12) - Sarat Chandra Chattopadhyay

Unit – IV : Grammar and Essay
1. Pada Paribartan
2. Somas

Books Prescribed :
Prose : Uchha Madhyamik Bangia Sankal an (Gadya) for Class XI & XII, Published by Paschim Banga Uchha Madhyamik Siksha Sansad, Viswa Varati.

Poetry : Madhukari – Kalidas Ray, Published by Orient Book Company, Kolkata – 12

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
MIL (BENGALI)
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Mark : 100

Group – A (Objective Type – Compulsory)
Q.1 Multiple choice (15 bits from all units) 1 mark each x 15 =15 marks
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 Answer Type)
Q.3 Answer within Two/three sentences 2 marks each x 11 =22 marks
(out of 14 bits, one has to answer 11 bits)
Q4. Answer within six sentences 3 marks 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 all units, one has to answer 4 questions. 7.5 marks each x 4 = 30 marks
Q.10
M.I.L (TELUGU)
+ 2, 1st Year Arts
(Detailed syllabus)

No. of periods: Yearly-80

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 – Detailed Study : (16 periods)
   Raja Raja Prasasti - Prof. S. Gangappa

UNIT – IV (A) Grammar : (16 periods)
   Vibhaktulu - Pratyayalu, Prakruti - Vikrutulu, Vyatireka Padamulu, Paryaya Padamulu, Jateeyalu - Padabandhalu

B) Letter Writing / General Essay:

BOOKS PRESCRIBED :
1. Poetry & Prose : Sahitee Vipanchi by Dr. Singupuram Narayana Rao
2. Non-Detailed Study : Raja Raja Prasasti by Prof. S. Gangappa

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QUESTION PATTERN & DISTRIBUTION OF MARKS
M.I.L (TELUGU)
+ 2, 1st Year Arts (For College Level Exam)

Full Marks: 100  Time: 3 hours

Group- A (Objective Type - Compulsory)

1. Fifteen multiple choice questions (from unit I, II & III)  \( 1 \times 15 = 15 \) Marks
2. Fifteen very short questions (from unit IV- A)  \( 1 \times 15 = 15 \) Marks

Group- B (Short Answer Type)

3. Short questions and Bhabartha(from Unit I, II & III )  \( 2 \times 11 = 22 \) Marks
4. Short questions from Unit – I,II,III,IV-A  \( 3 \times 6 = 18 \) Marks

Group -C (Long Answer Type)

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

TOTAL 100 marks

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M.I.L (TELUGU)
+ 2, 2\textsuperscript{nd} Year Arts
(Detailed syllabus)

No. of periods: Yearly-80

UNIT – I Poetry : (20 periods)
1. Sanjaya Rayabharamu - Tikkana Somayaji
2. Hanumatsandesamu - Atukuri Molla
3. Piradausi Lekha - Gurram Jashuwa
4. Manchi Mutyalas 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. Yadgiri
3. Ahalya Sankrandananam Patra Chitrana - Dr. Nagabhairava Adinarayana
4. Veyipadagal Samajika Drukpadham - Dr. Singupuram Nayayana Rao
5. Goutama Budhudu - Dr. V. Rajagopala Chakravarty

UNIT – III Non – Detailed Study : (16 periods)
Rudrama Devi - Smt. P.B. Kausalya

UNIT – IV A) Grammar : (16 periods)
Paribhashika padamu
Chandssu : Upalamala, Champakamala,
Sardhulamu, Mathebhamu, Ataveladi, Tetageeti
Alankaramulu : Upama, Rupaka, Utpreksha, Ardhantaranyasa, Atisiyokti

B) Re-Translation (English to Telugu) : (08 periods)

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

*****
QUESTION PATTERN & DISTRIBUTION OF MARKS
M.I.L (TELUGU)
+ 2, 2nd Year Arts (For H.S. Exam 2015)

Full Marks: 100  Time: 3 hours

Group- A (Objective Type - Compulsory)
1. Fifteen multiple choice questions (from unit I, II & III) 1×15=15Marks
2. Fifteen very short questions (from unit IV- A) 1×15=15 Marks

Group- B (Short Answer Type)
3. Short questions and Bhabartha (from Unit I, II & III) 2×11=22 Marks
4. Short questions (from Unit I,II,III, IV-A) 3×6=18 Marks

Group -C (Long Answer Type)
6. Three long questions with alternative 7×3=21 Marks
7. Letter writing /essay with alternative(from unit iv-B) 9×1=9 Marks

TOTAL 100 marks

******
No. of periods: Yearly-80

Unit – I: Prose: 20 Periods
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 Shayari --- Hali
vi. Bahaduron ke Karname --- Hasan Nizami
vii. Namak Ka Darogha --- Premchand

Unit – II: (a) Poetry: 24 Periods
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:
First two Ghazals from the following poets i. Wali, ii. Meer, iii. Ghalib, iv. Momin, v. Atish

Unit – III: Non Detailed Study: - 16 Periods
Only first half of any one of the following 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.

Unit – IV: Letter writing: 5 Periods
There shall be Letter Writing / Application Writing

Unit – V: Grammar 15 Periods
1. Ism Ki Quisman
2. Fail Ki Quismen
3. Sabqueour Laahque
4. Mutashaba Alfaz

Books Prescribed:
1. Prose & poetry: MEYAR-E-ADAB, compiled by Prof. Suraiya Husain, (To be had from Education Book House, Aligarh, U.P)

*****
QUESTION PATTERN AND DISTRIBUTION OF MARKS
M.I.L (URDU)
+ 2, 1st Year Arts (For College Level Exam)

Full Marks: 100
Time: 3hrs

Group-A (Objective Type - Compulsory)

Q.1 Objective type questions from all units prose, Poetry and non-detailed 15 =15 marks
  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

Q.2 Grammar
  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

Group- B (Short Answer Type)

Q.3 Answer within two/three sentences
  a. Prose- Six questions to be answered out of eight questions 2 x 6 = 12 Marks
  b. Poetry- Five questions to be answered out of six questions 2 x 5 = 10 marks

Q.4 Answer with in six sentences.
  a. Prose- Three questions to be answered out of four questions 3 x 3 = 9 marks
  b. Ghazaliyat- Three Ashaar explanation to be answered out of four Ashaar 3 x 3 = 9 marks

Group- C (Long Answer Type)

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
  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

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M.I.L (URDU)
+ 2, 2nd Year Arts
(Detailed syllabus)

No. of periods: Yearly - 80

Unit – I: Prose : 20 Periods
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

Unit – II: (a) Poetry : 25 Periods
i. Bazmein Anjum : Iqbal
ii. Kashmir : Chakbast
iii. Badli Ka Chand : Josh Malleeh Abadi
iv. Pairahane Sharar : Sardar Jafri

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

Unit – III: Non detailed study : 15 Periods
The remaining 2nd half portion of any one of the following books:
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)

Unit – IV: (a) Essay : 5 Periods
There shall be one general Essay with three alternatives
(b) Comprehension

Unit – V: Grammar : 15 Periods
i. Tazkir-O-Tanis, ii. Wahid-O-Jama, iii. Mutazad Alfaz, iv. Mahaware

Book Prescribed :
1. Prose & Poetry : MEYAR-E-ADAB, compiled by Prof. Suraiya Husain.

*****
QUESTION PATTERN AND DISTRIBUTION OF MARKS
M.I.L (URDU)
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

F.M-100

Group-A (Objective Type - Compulsory)

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

Q.2 Grammar
   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

Group- B (Short Answer Type)

Q.3 Answer within two/three sentences
   a. Prose- Six questions to be answered out of eight questions 2 x6=12 Marks
   b. Poetry- Five questions to be answered out of six questions 2x5= 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

Group- C (Long Answer Type)

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
   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

*****
MIL (SANSKRIT)
+2 1st Year Arts
(Detailed Syllabus)

No. of Periods : Yearly - 80

Unit – I : Prose 20 Periods
1. मनुमत्याख्यानम् (Manumatsyakhyanam)
2. चतुरुरुहाल (Caturasrgalah)
3. संस्कृते किं नासिति (Samskrte kim nasty)
4. जाबाल : सत्यकाम (Jabalah Satyakamah)

Unit – II : Poetry 20 Periods
1. सुभाषितावली (Subhasitavali)
2. भाति मे भरतम् (Bhati me Bharatam)
3. वसंत (Vasantah)

Unit – III 12 Periods
(A) Grammar from the text
1. सन्धि (Sandhi)
2. सन्धिविच्छेद Sandhi Viccheda
3. कारक-विभास्ति Karaka-Vibhakti
4. प्रकृति-प्रत्यय Prakriti Pratyaya

(B) Grammar from outside the text / General
1. श्रीप्रत्यय (Stripratyaya)
2. समास (Samasa)
3. एकपदीकरण (Formation of single word from Stripratyaya and Samasa)

Unit – IV : Translation and Comprehension 18 Periods

A) Comprehension – Sanskrit passage for the comprehension (Passages) of संस्कृतप्रभा,
Part-I
B) Translation of unseen Sanskrit sentences into Odia / English

Unit – V 10 Periods
The art of Writing Letters, Applications, Textual Explanations, Textual Long Questions and Precis writing.

Books Recommended :
1. For prose and poetry :
   Samskrta Prabha, Part-I – संस्कृतप्रभा – (प्रथमो भाग:)
   Published by Odisha State Bureau of Textbook Preparation and Production.
2. For Grammar :
   Vyakarana-darpanah – व्याकरण दर्पण :
   Published by Odisha State Bureau of Textbook Preparation and Production.
QUESTION PATTERN AND DISTRIBUTION OF MARKS  
M.I.L. ( SANSKRIT )  
+ 2, 1st Year Arts (For College Level Exam)

<table>
<thead>
<tr>
<th>Full Marks – 100</th>
<th>Time: 3 Hrs</th>
</tr>
</thead>
</table>

### GROUP – A (Objective Type – Compulsory)

**Q.1. Multiple Choices:**

<table>
<thead>
<tr>
<th>Mark-Division</th>
<th>1×3 = 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prose</td>
<td></td>
</tr>
<tr>
<td>Poetry</td>
<td>1×2 = 2</td>
</tr>
<tr>
<td>Sandhi</td>
<td>1×3 = 3</td>
</tr>
<tr>
<td>Sandhiviccheda</td>
<td>1×3 = 3</td>
</tr>
<tr>
<td>Karaka - vibhakti</td>
<td>1×4 = 4</td>
</tr>
</tbody>
</table>

**Q.2. One word Answer / Correction / Fill up the Blanks:**

<table>
<thead>
<tr>
<th>Mark Division</th>
<th>1×2 = 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prose</td>
<td></td>
</tr>
<tr>
<td>Poetry</td>
<td>1×3 = 3</td>
</tr>
<tr>
<td>Prakruti-prataya</td>
<td>1×3 = 3</td>
</tr>
<tr>
<td>Samasa</td>
<td>1×3 = 3</td>
</tr>
<tr>
<td>Ekapadikarana</td>
<td>1×4 = 4</td>
</tr>
</tbody>
</table>

( from Stripratya and Samasa)

### GROUP – B (Short Answer Type)

**Q.3. Short Answer Type (within 2/3 sentences / 12 words):**

**Mark Division:**

(a) Comprehension- 2×6 = 12  
( 6 out of 07 Qs.) (passages from 1 to 8 of Samskritaprabha)

(b) Translation Sanskrit Sentences into Odia / English  
( 5 out of 07 Qs.) - (2×5 = 10)

**Q.4. Short Type Answer (within 06 sentences / 25 words):**

**Mark Division:**

(a) Prose - 3x3 = 09 (3 out of 04 Qs.)

(b) Poetry - 3x3 = 09 (3 out of 04 Qs.)

### GROUP – C (Long Answer Type)

**Q.5. 04 Long Questions out of 06 Qs, (within 08 sentences / 40 words):**

| a) | Letter / Application writing. |
| b) | Long Question (PROSE) |
| c) | Long Question (POETRY) |
| d) | Explanation (PROSE/ POETRY) |
| e) | Translation into Odia / English from Prose / Poetry |
| f) | Precise Writing (OF UNSEEN PASSAGE) |

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

*****
No. of Periods : Yearly - 80
Unit – I : Prose  20 Periods
1. कपोतलुब्धकथा (Kapotalubdhakakatha)
2. सुश्रुतस्य यन्त्रकर्मशास्त्रमणि (Susrutasya Yantrakarma Sastrakarmanii)
3. गुणिगुणाहीनविवेकः (Gununahinavivekah)
4. रामतपोवानाभिगमनम् (Ramatapovanabhigamanam)

Unit – II : Poetry  20 Periods
1. दशावतारस्तुति (Dasavatarnastutih)
2. गीतासौरभम् (Gitasaurabhavam)
3. रघुवरशम् (Raghuvarsham)

Unit – III  12 Periods
(A) Grammar from the text
1. कारक-विभक्ति Karaka – Vibhakti
2. सन्धि Sandhi
3. सन्धिविच्छेद Sandhi Viccheda

(B) Grammar from outside the text / General
1. शब्दरूपः – Sabdarupa – (न, फल, लला, बुनि, बारिक, नदी, पितृ, मातृ, गच्छति, मनस्, आत्मन्, तदः, किम्, इदम्, अस्मद्, युष्मद्, द्रि, त्रि, तुरुः)
2. धातुरूपः – Dhaturupa – (भृ, गम्, पद्, कृत्, अम्, लघु, पूज्य)
3. समासः – (Samasa)
4. स्वप्रत्ययः – (Stripratyaya)

Unit – IV : Translation and Comprehension  18 Periods
A) Comprehension – Sanskrit passage for the comprehension (Passages) of संस्कृतप्रभा, Part-II
B) Translation of Odia / English sentences into Sanskrit.

Unit – V  10 Periods
The art of Writing of Letters, Applications, Textual Explanations, Textual Long Questions and Precise writing.

Books Recommended :
1. For prose and poetry :
   Samskrta Prabha, Part-II – संस्कृतप्रभा – द्वितीयो भाग :
   Published by Odisha State Bureau of Textbook Preparation and Production.
3. For Grammar :
   Vyakarana-darpanah – व्याकरणदर्पणः :
   Published by Odisha State Bureau of Textbook Preparation and Production.
### QUESTION PATTERN AND DISTRIBUTION OF MARKS

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

+ 2, 2nd Year Arts (For H.S. Exam 2015)

<table>
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<tr>
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### GROUP – A (Objective Type – Compulsory)

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<th>Sabdarupa</th>
<th>Dhaturupa</th>
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Q.2. One word Answer / Correction / Fill up the Blanks :

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<th>Sandhi</th>
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<th>Stripratya</th>
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<td>1×2 = 2</td>
<td>1×3 = 3</td>
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</table>

### GROUP – B (Short Answer Type)

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

<table>
<thead>
<tr>
<th>Mark Division</th>
<th>(a) Comprehension</th>
<th>(b) Translation Sanskrit Sentences into Odia / English</th>
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<td>2×6 = 12</td>
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Q.4. Short Type Answer (within 06 sentences / 25 words) :

<table>
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<th>(a) Prose</th>
<th>(b) Poetry</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3×3 = 09</td>
<td>3×3 = 09</td>
</tr>
</tbody>
</table>

### GROUP – C (Long Answer Type)

Q.5. 04 Long Questions out of 06 Qs, (within 08 sentences / 40 words)

- g) Letter / Application writing.
- h) Long Question (PROSE)
- i) Long Question (POETRY)
- j) Explanation (PROSE/ POETRY)
- k) Translation into Odia/English from Prose/Poetry
- l) Precise Writing (OF UNSEEN PASSAGE)

O. B. Answers in Sanskrit are to be written either in Odia Script or in Devnagari Script.

******
No. of periods: Yearly-80

Unit – I : Prose
i. The Adventure of Learning
ii. Men and Women
iii. Modern Living
iv. Food for Thought

Unit – II : Poetry
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)

Unit – III : Short Stories
i. The Rainbow-Bird (Vance Palmer)
ii. The Eyes Have it (Ruskin Bond)
iii. The little Wife (William March)

Unit – IV : One-Act Plays
i. Mother's Day (J.B. Priestley)
ii. The Unexpected (Ella Adkins)

Unit – V : Grammar & Usage
i. Tense and Aspect
ii. Modals
iii. Non-finite verb forms
iv. The passive
v. Prepositions and Phrasal Verbs

Books Prescribed :
(a) Approaches to English, Book-I
(a) Approaches to English, Book-II
Published by the Orissa State Bureau of Textbook Preparation and Production, Pustak Bhavan, Bhubaneswar.
(b) Reference Books for Grammar and Usage :
   (i) A University Grammar of English (Quirk, Greenbaum et al)
   (ii) English Grammar Practice (Bijoy Kumar Bal)
QUESTION PATTERN AND DISTRIBUTION OF MARKS
ALTERNATIVE ENGLISH
+ 2, 1st Year Arts (For College Level Exam)

Full Marks – 100

Time: 3 Hrs

1. **Reading Comprehension:**
   a) A prescribed prose piece or extract (5 questions - including inferential questions—are to be answered) 10 marks
   b) A prescribed poem/extract (5 questions including inferential questions and those on poetic devices, figures of speech, mood, tone and style etc.) 10 Marks
   c) A prescribed story / one-act play or its extract (5 questions including inferential questions and those on literary devices, tone etc.) 10 Marks
   d) An unseen passage of at least 200 words (5 questions including Inferential ones) 10 Marks

2. **Reading related skills.**
   a) Guided note making based on the passage 1 (d) 5 Marks
   b) Cohesive devices 10 Marks

3. **Writing skills.**
   a) Summarising an unknown passage as given in 1 (d) with caption 10 Marks
   b) Reconstruct a story from a given set of questions/fillers/outlines or completion of a story 10 Marks
   c) Essay writing (including brainstorming, organizing, outlining, writing first draft and revising) 10 Marks

4. **Grammar and usage** (in context) (3 questions on the prescribed grammar units) 15 Marks

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ALTERNATIVE ENGLISH
+ 2, 2nd Year Arts
(Detailed syllabus)

No. of periods: yearly-80

Unit – I: Prose

i. The Wonder World of Science
ii. Our Environment
iii. The World of Business
iv. The Changing World

Unit – II: Poetry

i. Indian Children Speak (Juanita Bell)
ii. The Goat Paths (James Stephen)
iii. Of a Questionable Conviction (Jayanta Mahapatra)
iv. Mirror (Sylvia Plath)
v. Toads (Philip Larkin).

Unit – III: Short Stories

i. The Happy Man (W.S. Maugham)
ii. The Tree (Manoj Das)
iii. The Watch Man (R.K. Narayan)

Unit – IV: One Act Plays

i. The Hour of Truth (Percival Wilde)

Unit – V: 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

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

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
ALTERNATIVE ENGLISH
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Marks – 100
Time: 03 Hrs

1. Reading Comprehension.
   a) A prescribed prose piece or extract (5 questions including inferential questions are to be answered). 10Marks
   b) A prescribed poem / extract (5 questions including inferential questions and those on poetic devices, figures of speech, mode, tone and style etc.) 10Marks
   c) A prescribed story / one-act play or its extract (5 questions including Inferential questions and those on literary devices, tone etc.) 10Marks
   d) An unseen passage of at least 200 words (5 questions including inferential ones) 10Marks

2. Reading related skills.
   Unguided note making (based on the passage given in 1 (d). 10Marks

3. Writing skills.
   a) Designing and writing a brochure / pamphlet 10Marks
   b) Writing dialogues of a face-to-face / telephonic conversation. 10Marks
   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. 10 Marks
   d) Adding a suitable beginning/ending/title to a given poem/story. 5Marks

4. Grammar and usage (in context)
   (3 questions on the prescribed grammar units including modified close tests). 15 Marks

******
Environmental Education
(Theory)
+2, 1st Year Arts
(Detailed syllabus)

No. of periods: Yearly-30
UNIT - I

(A) **Man and Environment : Environment : Components:**
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 :**
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 resources - Conventional and non - conventional energy.

UNIT - II

**Environmental Pollution :**
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 :**

(B) **Environmental Laws :**
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.

**PROJECT WORK**

Each student 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 anyone of them. A group of teachers will be assigned to guide them. The project shall be evaluated in the respective colleges.

Ø 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 of 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 selected to study the changes that have taken place in a given 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.

Ø 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.

Ø 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.
Ø 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.

Ø 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 locality or village. The components for analysis may include: types of crops, land area under cultivation, mechanisation, use of electricity, mode of irrigation and agrochemicals, agro-waste and their disposal, types of animal breed and their feed, types of shelter and healthcare, 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 sample 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 works 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 *Published by* Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

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No. of periods: Yearly-30

Unit – I : CONCEPT YOGA 6 Periods
Meaning, Definition and Scope of yoga, Importance and aim of yoga for the students, Misconception of Yoga Yoga and Spirituality

Unit – II : BASIC PRINCIPLES OF YOGA PRACTICE 6 Periods
Place, Time, Age, Diet, Dress, Do’s and Don’ts Power of Silence

Unit - III : BRANCHES OF YOGA 6 Periods
Karma Yoga, Bhakti Yoga, Raja Yoga, Jnana Yoga, Yoga in Srimad Bhagavat Gita

Unit – IV : CONCEPT OF ASTHANGA YOGA 6 Periods
Yama, niyama, asana, pranayama, pratyahara, dharana, dhyana and samadhi

Unit – V : YOGA AND PERSONALITY DEVELOPMENT 6 Periods
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.

Books Prescribed : An Introduction to Yoga, Joga Parichaya
Published by Odisha State Bureau of Textbook Preparation and Production

(Detailed Syllabus)

YOGA (Practical)
+ 2 2nd Year Arts

Unit – I : ASANA 2 Periods
PRILIMINARY PRACTICES : Greeva Sanchalana, skandha chakra (shoulder rotation), purna, titali asana (full butterfly), marjari asana (car stretch pose), Surya Namaskara

STANDING POSTURE : Tadasana, tiyak tadasana, katichakrasana pada-hastasana, artha chakrasana, ardhataki chakrasana, ekapada pranasmasana, garudasana, natarajasana.

SITTING POSTURE :
Padmasana janusirasana, paschimottanasana, supta vajrasana, shashankasana, ustrasana, ardhamatsyendrasana.

PRONE LYING POSTURE :
Shalabhasana, bhujangasana, dhanurasana.

SUPINE POSTURE :
Uttanapadasana, supta pawanamuktasana, naukasana, halasana, sarvangasana, masyasana, chakrasana.

Unit-II : RELAXATION :
Savasana, yoganidra

Unit – III : PRANAYAMA : 2 Periods
Preliminary practices: abdominal, thoracic, clavicular and full yogic breathing kapalabhati, nadisodhana, bhramari seetali/seetkari

Unit - IV : MEDITATION : 2 Periods
Antarmouna - sensorial awareness : (sound, touch, vison, smell, taste), breath awareness, awareness of the spontaneous thought process.

Unit-V : KRIYA 2 Periods
Trataka (internal and external)

Books Prescribed : An Introduction to Yoga, Joga Parichaya
Published by Odisha State Bureau of Textbook Preparation and Production

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BASIC COMPUTER EDUCATION
(THEORY)
+ 2, 1st Year Arts
(Detailed syllabus)

No. of periods: Yearly-30

UNIT-I : Computer Fundamentals : 8 Periods

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, Bulleting, 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.

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.

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BASIC COMPUTER EDUCATION
PRACTICALS
+ 2, 2nd Year Arts
(Detailed syllabus)

10 Periods

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

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LANGUAGE-ODIA

1. ଉଖନ୍ତ୍ର ଲଙ୍କି ଏକହ — ৩ (ଇପକ — ১) ପାଇଁ କେରି (১০ ମାତ୍ରକ)

2. କାଇକାନାତି — ପାରାସ୍କର ସମୟ ପ୍ରଶ୍ନ

3. କାଟାକ୍ଷି — ଦାଢାରା (১০ ମାତ୍ରକ)

4. କାଇକାନାତି — ପାରାସ୍କର ସମୟ ପ୍ରଶ୍ନ

5. କାଟାକ୍ଷି — ଦାଢାରା (১০ ମାତ୍ରକ)

6. କାଇକାନାତି — ପାରାସ୍କର ସମୟ ପ୍ରଶ୍ନ

7. କାଟାକ୍ଷି — ଦାଢାରା (১০ ମାତ୍ରକ)

8. କାଇକାନାତି — ପାରାସ୍କର ସମୟ ପ୍ରଶ୍ନ

9. କାଟାକ୍ଷି — ଦାଢାରା (১০ ମାତ୍ରକ)

ପାପରାନ୍ତରଦର୍ଶନ : ପର୍ଯ୍ୟକ୍ତି କର୍ତ୍ତାର ବୃତ୍ତିରେ ବାରାକ୍ତି ଯେଉଁଙ୍କ ପାଲ ବାରାକ୍ତି ଦୃଢିକି ଓ ଦୃଢିକି ଅପପତ୍ତି, ଦୃଢିକି ଅପପତ୍ତି।
LANGUAGE - ODIA

ପ୍ରତିଭାଃ ଦଶା ଓ ଗାରୀର ଅଧ୍ୟାପନ

+9 ସ୍ଥାନ ରଶି - ଦଶା (ଦେକୁରୀ ଚାଲାନ ଘାତାମ)

ପ୍ରତ୍ୟେ ୨. ରହିତ ପରାମେତର ତିଥି ଅପେକ୍ଷା କରି କରାଯ଼ାଛି ଦେକୁରୀ ଦିବସରେ ଆଧିକ୍ୟ ଦିବସ।

କାଲା - ୬ x ୪ = ୪ (୬ x ଆଠାବର୍ଷି)

ଦେକୁରୀଦେଶ - ୬ x ୪ = ୪

ଫାଇଟିଜୀ - ୬ x ୪ = ୪

ପ୍ରତ୍ୟେ ୨. ପ୍ରତିଭାଃ ଦଶାକରମ ଦିବସ କରାଯାଛି ପରିଶ୍ରମ ଦିବସରେ ଆଧିକ୍ୟ ଦିବସ। (୬ x ଆଠାବର୍ଷି)

କାଲା - ପରିଶ୍ରମ, ୨ଠାବର୍ଷି ଦେକୁରୀ ଦିବସରେ - ୨ x ୯ = ୯

ଦେକୁରୀଦେଶ - ପରିଶ୍ରମ, ୨ଠାବର୍ଷି ଦେକୁରୀ ଦିବସରେ - ୨ x ୯ = ୯

ଫାଇଟିଜୀ - ପରିଶ୍ରମ, ୨ଠାବର୍ଷି ଦେକୁରୀ ଦିବସରେ - ୨ x ୯ = ୯

ଉଦାହରଣ ୩. ସ୍ଥାନ ରଶି - ଦଶା (ଦେକୁରୀ ଚାଲାନ ଘାତାମ)

ପ୍ରତ୍ୟେ ୨. ରହିତ ପରାମେତର ତିଥି ଅପେକ୍ଷା କରି କରାଯ଼ାଛି ଦେକୁରୀ ଦିବସରେ ଆଧିକ୍ୟ ଦିବସ।

(୯ x ୯ = ୯ ଦିବସ)

କାଲା - ପରିଶ୍ରମ, ୨ଠାବର୍ଷି ଦେକୁରୀ ଦିବସରେ ଆଧିକ୍ୟ ଦିବସ - ୯ x ୯ = ୯

ଦେକୁରୀଦେଶ - ପରିଶ୍ରମ, ୨ଠାବର୍ଷି ଦେକୁରୀ ଦିବସରେ ଆଧିକ୍ୟ ଦିବସ - ୯ x ୯ = ୯

ଫାଇଟିଜୀ - ପରିଶ୍ରମ, ୨ଠାବର୍ଷି ଦେକୁରୀ ଦିବସରେ ଆଧିକ୍ୟ ଦିବସ - ୯ x ୯ = ୯

ଉଦାହରଣ ୪. ସ୍ଥାନ ରଶି - ଦଶା (ଦେକୁରୀ ଚାଲାନ ଘାତାମ)

(୯ x ୯ = ୯ ଦିବସ)

କାଲା - ପରିଶ୍ରମ, ୨ଠାବର୍ଷି ଦେକୁରୀ ଦିବସରେ ଆଧିକ୍ୟ ଦିବସ - ୨ x ୪ = ୨୦
ବୁଝାନ ଅଳେ (ପାର୍ଶ୍ଵଦୃଷ୍ଟି ସ୍ଥାନ) 

ପୁଞ୍ଜ. ଲୁ ଗ. ବୁଝାନ ଅଳେ (୧୨୦୦ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ)। (୧ × ୨ = ୨ଠର କଲା) 
ବାକ୍ୟ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ୧୨୦ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। 
ଦାଉଭାବ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ୧୨୦ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। 
କୋମ୍ହ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ୧୨୦ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। 

୩୦ ପାଇଁ ୬ କରିଛନ୍ତି (୨) 

ପୁଞ୍ଜ. ଲୁ ଗ. ବୁଝାନ ଅଳେ (୩୦ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ)। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 
ବାକ୍ୟ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ୬ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 
ଦାଉଭାବ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ୬ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 
କୋମ୍ହ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ୬ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 

ପୁଞ୍ଜ. ଲୁ ଗ. ବୁଝାନ ଅଳେ (ଁ ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ)। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 
ବାକ୍ୟ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 
ଦାଉଭାବ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 
କୋମ୍ହ - ପାର୍ଶ୍ଵଦୃଷ୍ଟି ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। (ସ୍ତର ଦେଖାଇଛନ୍ତି) 

ଚିତ୍ରଗୁଡ଼ିକର ସହାୟତା ସହଜ କରିବା ପାଞ୍ଚାଲନ କଲାରେ ଭଳ କରିବ: ପାର୍ଶ୍ଵଦୃଷ୍ଟି ଚେଳୀ ଜନ୍ମ କରାଇଛାଇ ହିଲେ। (ସ୍ତର ଦେଖାଇଛନ୍ତି)
LANGUAGE-ODIA
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9 (ତୀବ୍ର ତେନୀ - ଶ୍ଲୋ) ଗ୍ରଂଥକର୍ତ୍ୟ

ପତନୀ ଅପସାଦ ଏକା ଅକ୍ଷେପଚେଶ (10 ପରାୟେ)

1. ପନ୍ଦ୍ରିକୃତ - ଶ୍ରୁସ୍ତ୍ନି ପବନ
2. ପନ୍ଦ୍ରିକୃତ କୁଠି - ଧାରୀତାର ଭୂମି
3. ମଣିକୁଠି ପୋଶ୍ଚିମ - ପୂରୀ ସୂର୍ଣ୍ଣ ପବନ
4. ପୂରୀ ପକ୍ଷର ବିଶ୍ୱା ମାନ ପବନ - ଭୂମିକାର ଭୂମି
5. ଗ୍ରାମାଜ୍ୟ ବିଶ୍ୱା ମାନ ପବନ - ଭୂମିକାର ଭୂମି
6. ଲାଭର ପବନ - ଭୂମିକାର ଭୂମି

ପତନୀ ଅପସାଦ ଏକା ଅକ୍ଷେପଚେଶ (10 ପରାୟେ)

1. ଦୃଢାର - ଭରାଣିକ ଦୃଢାର
2. ଦୃଢାର କୁଠି - ଭରାଣିକ ଦୃଢାର
3. ପୋଶ୍ଚିମ ବିଶ୍ୱା ମାନ - ଭରାଣିକ ଦୃଢାର
4. ପୂରୀ ପକ୍ଷର ବିଶ୍ୱା ମାନ - ଭରାଣିକ ଦୃଢାର
5. ଲାଭର ପବନ - ଭରାଣିକ ଦୃଢାର

ପତନୀ ଅପସାଦ ଏକା ଅକ୍ଷେପଚେଶ (10 ପରାୟେ)

1. ଦୃଢାର ଦୃଢାର, ଭରାଣିକ ଦୃଢାର, ଭରାଣିକ ଦୃଢାର, ଭରାଣିକ ଦୃଢାର, ଭରାଣିକ ଦୃଢାର
2. ଦୃଢାର ଦୃଢାର
3. ପୋଶ୍ଚିମ ବିଶ୍ୱା ମାନ
4. ଲାଭର ପବନ

ପତନୀ ଅପସାଦ : ଭରାଣିକ ଦୃଢାର - ପୂରୀ ପବନ (ଭରାଣିକ ଦୃଢାର ଭରାଣିକ ଦୃଢାର, ଭରାଣିକ ଦୃଢାର, ଭରାଣିକ ଦୃଢାର)
LANGUAGE-ODIA

ପ୍ରେମକ ପାତାଳ ୬ ପାର୍ଶ୍ୱ ଭିତ୍ତ୍ବ
+୬ ପରିଯାଳ ମଧ ତାଯାରୀ ଜ୍ଞାନଙ୍କ (ତାରାଣିକ ଭାବାଯ୍ୟ - ୯୦୫୪)

୨୦୧୫ ତର୍ପଣ ୨୦ ଭିତ୍ତ୍ବ

ଉଚ୍ଚ ଭାବ (ଅପସ୍ଥିତି ସମାପତ୍ତୀତ ଭାବ)

ଆରୁ ୬. ସତୀୟ ସତୀୟ ଦକ୍ଷିଣାବେ ମାଧ୍ୱରେ ଭାବ ସତୀ ସତୀ ଭାବରେ ସତୀ 

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ଭୁକ୍ତ - ୨ $ \times ୪=୪$

ଭୁକ୍ତ - ୨ $ \times ୪=୪$

ଆରୁ ୭. ପ୍ରେମକ ସତୀୟ ସତୀ ଭାବରେ ଭାବ / ତାରାଣିକ ଭାବରେ ସତୀ 

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ଆରୁ ୮. ପ୍ରେମକ ତାରାଣିକ ଭାବରେ ଭାବ / ତାରାଣିକ ଭାବରେ ସତୀ 

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ଭୁକ୍ତ - ୨ $ \times ୨=୨$

ଭୁକ୍ତ - ୨ $ \times ୨=୨$

ଭାବରେ - ୨୦ ପ୍ରଥମ ସମାପତ୍ତିକ ଚାଲିକା ଭାବ ତାରାଣିକ ଭାବରେ ସତୀ ସତୀ 

(୨ ୦=୨୦ ମଣ)
ପ୍ରଶ୍ନ ৪. ৬ ବର୍ଗ କଳ୍କୁ କରିବାକେ କିତାବ ଟଲାଯାବେ? ଚରା ଟଲାଯାବେ କିତାବ ପରା ଟଲାଯାବେ କିତାବ।

(7 x 2 = 14 କଳ୍କୁ)

କରିତାର କିନ୍ତୁ 9 ବର୍ଗ କଳ୍କୁ କରିବାକେ କିତାବ ଟଲାଯାବେ କିତାବ।

(9 x 2 = 18 କଳ୍କୁ)

ରୁବଳ ଓ କାର (କରିବା ଖେଲରେ କିତାବ)

ପ୍ରଶ୍ନ ৫. ৪ ବର୍ଗ କଳ୍କୁ କରିବାକେ କିତାବ ଟଲାଯାବେ ১ ৪০ କଳ୍କୁ କିତାବ ପରା ଟଲାଯାବେ କିତାବ।

(70 x 2 = 140 କଳ୍କୁ)

କରିତାର କିନ୍ତୁ 9 ବର୍ଗ କଳ୍କୁ କରିବାକେ କିତାବ ଟଲାଯାବେ କିତାବ।

(70 x 2 = 140 କଳ୍କୁ)

ରୁବଳ ଓ କାର: କରିବାକେ କିତାବ ଟଲାଯାବେ କିତାବ ଟଲାଯାବେ କିତାବ, ଚରା ଟଲାଯାବେ କିତାବ ପରା ଟଲାଯାବେ କିତାବ।

(7 x 1 = 7 କଳ୍କୁ)
No. of periods: yearly=80

**Unit -I** (उपन्यास खण्ड)

| पढ़ाई पुस्तक II: नाटक (साहित्य) |

**Unit -II** (नाटक खण्ड)

| पढ़ाई पुस्तक: साहित्यीय विचाराएं |

**Unit -III** (साहित्यिक विचाराएं)

| उपन्यास, रूह, नाटक, संस्कृत, रिहाई, नाटक, अन्याय |

**Unit -IV** (व्याकरण)

| 14 Classes |

| 1. मुहावरों और कहावतों |

| 2. लिंग और वचन |

**Anubhuti प्रश्न**: |

| 1. साहित्य सहर आचार्य हजारी प्रसाद ड्रेइरी, लोकभाषी प्रकाशन, इलाहाबाद |

| 2. साहित्य परिचय - डा. जिलोन पाण्डेय, शबनम पुस्तक महल, कटक |

| 3. हिंदी व्याकरण और रचना - वासुदेव नन्दन प्रसाद, भारती भवन पटना |

**QUESTION PATTERN AND DISTRIBUTION OF MARKS**

+2 1<sup>st</sup> year Arts (For college level Exam.)

| Full mark:100 | Time:3hrs |

**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 ANSWER 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 ANSWER TYPE)**

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

**Total = 100 marks**
No. of periods: yearly: 80

Unit - I (पद्धति खण्ड) 24 Classes

पाठ्य पुस्तक : रवि शर्मा - रामचारिणी सिंह दिल्ली

Unit - II (निवेदन खण्ड) 20 Classes

पाठ्य पुस्तक : निवेदन संस्करण - डा. रवि-कृष्ण नाथ मिश्रा

Portions to be studied:
1. क्रोध ...... आचार्य रामचंद्र शुकल
2. श्रीरंग के फूल... आचार्य हजारी प्रसाद देव
3. आधुनिक नाटि ............ महदीवी वर्मा
4. इमेरेटर मातादीन चौंद पर... हरिशंकर परसाई

Unit - III (कहानी खण्ड) 18 Classes

पाठ्य पुस्तक : कहानी संस्करण... डा. राधाकुमार मिश्रा

Portions to be studied:
1. कथन .. प्रेमचंद
2. खेल ... जैनेन्द्र कुमार
3. मलवे का मालिक ... मोहन राकेश
4. सजा.... मलू भंडारी

Unit - IV (व्याकरण) 18 Classes

(ह) तेरह, तमिल, बृजा और कांता का अनुव.
(ड) हिंदी आधि

अनुमीत ग्रन्थ:
1. हिंदी व्याकरण और रचना - बासुदेव नन्दन प्रसाद,
2. गुदा हिंदी कैसे लिखें - डा. राजेन्द्र प्रसाद सिंह
3. व्याकरण दीपिका - डा. बनसाली दास

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QUESTION PATTERN AND DISTRIBUTION OF MARKS

LANGUAGE-HINDI

Full Mark: 100  +2 2nd year Arts (For H S Exam - 2015)  Time: 3 Hours

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

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

Total = 100 marks
No. of periods: Yearly: 80

Unit-I Poetry
Naibedya - Rabindranath Tagore the following
Pieces to be taught –
1. Pratidina Ami He Jibonswami
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 - Mahashreta 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.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS

LANGUAGE-BENGALI
Full Mark : 100 +2 2nd year Arts (For college level Exam.) Time : 3 Hours

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

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

Total = 100 marks
Unit – I: Poetry (20 periods)
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 (20 periods)
Topics to be taught :-
History of Bengali Prose to be incorporated, Tarasankar & Manik Banodopadhay

Unit – III: Short – Story (20 periods)
Bangla galpa Sangraha - Mahasweta Devi
Pieces to be taught :
1. Kabuliorala - Rabindranath Tagore
2. Abhagir Swarga - Sarat Chandra Chattopadhya
3. Madhu Master - Tarasankar
4. Puimacha - Bibhuti Bhushan Bandopadhyay

Unit - IV Grammar (20 periods)
Alankar- Anupras, Yamak, Slesha, Upama, Rupak, Uprekshya

QUESTION PATTERN AND DISTRIBUTION OF MARKS

LANGUAGE- BENGALI
Full Mark : 100 +2, 2nd year Arts(For H S Exam-2015) Time : 3 Hours

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

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

Total = 100 marks
UNIT – I:  POETRY:  (20 periods)
1. Satyabhama santwanam - Nandi Timmana
2. Kinnera nadakulu - Viswanadha satyanarayana
3. Shankranti - Tummala Seetarama Murty
4. Sainikudi Utaram - Balagangadhara Tilak
5. Lakuma tyagam - Dr.C.Narayana Reddy

UNIT – II:  PROSE :  (20 periods)
1. Maharastru Andhra Bhasa seva - Vidvan Vemuri Venkata ramayya
2. Margadarsi Gurajada - Khandavalli Lakshmi ranjanam
3. Kala Pumodayamu Katha Samvidhana Vaichitri - Dr.G.V.Krishna rao
4. Gramanama Vignanamu - 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, Upreksha, 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

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QUESTION PATTERN AND DISSTRIBUTION OF MARKS
+2 1st year Arts(For college level exam)

Full Marks 100  Time:3hrs

Group- A (Objective Type - Compulsory)
1. Fifteen multiple choice questions (from unit I, II & III) 1×15 =15 Marks
2. Fifteen very short questions (from unit I,II,III, IV- A) 1×15=15Marks

Group- B (Short Answer Type)
3. Short questions and Bhabartha(from Unit I, II & III ) 2×11=22 Marks
4. Short questions from Unit – I,II,III,IV-A 3×6=18 Marks

Group -C (Long Answer Type)
5. Three long questions with alternative 7×3=21 Marks
6. Letter writing /essay with alternative(from unit iv-B) 9×1=9 Marks
LANGUAGE-TELUGU
+2 2nd year Arts
(Detailed syllabus)

UNIT – I  POETRY : (20 periods)
1. Prahlada Charitra  -  Bammera Potana
2. Sri kalahasteeswara  -  Dhurjati
3. Vasanta vikasam  -  Rayaprolu Subbarao
4. Mallela madugu  -  Punpanda Appala Swami
5. Samunmeshamu  -  Jandhyala Papayya Sasti

UNIT – II  PROSE : (20 periods)
1. Desabhimanamu  -  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, Trika, Ataveladi,
Tetageeti Samasamulu : Tatpurusha, Karmadharaya, Dvigu, Dwandva, Bahuveehi, Avyayeebhava.

B) LITERARY FORMS : ( 08 periods)
Ithihasamu, Puranamu, Kavyamu, Kadhanika, Navala, Vyasamu, Jeevita Charitra,Ekankika,
Satakamu, Yaksha ganamu

BOOKS PRESCRIBED :

1)  Poetry & Prose : Sahitee  Koumudi
   -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
QUESTION PATTERN AND DISTRIBUTION OF MARKS
LANGUAGE-TELUGU
+2 2nd year Arts(For HS Exam-2015)

Time 3 hours  Full Marks 100

Group- A (Objective Type)
1. Fifteen questions (from unit I, II & III) 1x15 =15 Marks
2. Fifteen very short questions(from unit IVA) 15x1=15 Marks

Group- B (short Type Questions)
3. Short questions& Bhabartha(from Unit I, II & III) 2x11=22 Marks
4. Short questions (from Unit I, II,III, IV-A) 3x6=18 Marks

Group -C (Long Type Questions)
5. Three long questions with alternative 3x7=21 Marks
6. Literary Forms (from unit IV-B) 1x9=9 Marks
LANGUAGE-URDU
+2 1st year Art
(Detailed syllabus)

No. of periods:yearly:80

Unit-I: Prose
  Books Prescribed:TANWEER- E- ADAB : By Sagir Ahmed Jaan
  (Only chawtha daur and panchuan daur)

Unit-II: Drama
  Books Prescribed:Rustam-O-Sohrab -By Agha Hashar

Unit-III:SHORT STORIES
  Books Prescribed:Numainda Mukhtasar Afsane --By Azimuddin.
  Portions to be studied:

Unit-III :NOVELS
  Books Prescribed
  (i) Firdous Barin : -By Abdul Halim Sharar
  (ii) Nirmala- By prem Chand

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
LANGUAGE-URDU
+2 1st year Arts(For college level Exam.)

Full marks:100

Group-A

Q1. Three short questions from ( Prose, Drama and Novel –one question from each portion) carrying 5 marks each 5 x 3=15 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( Short Answer Type)

Q.3 Answer within two/three sentences
  (i) Rustam O Sohrab : Six questions to be answered out of eight questions 2 x 6 = 12 marks
  (ii) Tanweere- Adab : Five questions to be answered Out of six questions 2 x 5= 10 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

Group-C Long Answer Type)

Q.5 Four questions to be answered out of six questions 7.5 x 4=30 marks
  From the books Numainda Mukhtasar Afsane
  and Firdous Bareen or, Nirmala

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No. of periods: Yearly-80

Unit-I: (35 periods)

Books Prescribed:
Kalam- E- Mir : 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

Unit-II: Non-Detailed Studies (15 periods)

Books Prescribed:
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

Unit-III: Grammar and Qawaid (30 periods)

a. Ilmulbalaghat

Portions to be studied:

   viii. Taaliel, ix. Mobaligha, x. Majaz

b. Urdu Zaban-O- Qawaid Part-I

By Shafi Ahmed Siddiqui

Portions to be studied:

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

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
LANGUAGE-URDU
+2, 2nd year Arts (For H.S Exam. 2015)

Full marks: 100

Time – 3 hrs

Group-A

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

Group-B (Short Answer Type)

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

2 x 11 = 22 marks

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

3 x 6 = 18 marks

Group-C (Long Answer Type)

Q.5
Four questions to be answered out of six questions from the books
illmulbalaghath and urdu- Zoban-O- Qawaid Part-I
7.5 x 4 = 30 marks

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LANGUAGE-SANSKRIT
+2, 1st year Arts
(Detailed syllabus)

No. of periods: yearly: 80

Unit-I: Poetry (25 periods)
Kumarasambhavam of Kalidasa [Canto V]
कुमारसंभवम् - पद्म: सर्गः:

Unit-II: Prose (20 periods)
Samskrutamandakini (Gadyabagah)
संस्कृतमन्दाकिनी (गद्यभागः)

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

1. उपामन्युकथा (Upamanyukatha)
2. पराहितसाधनम् (Parahitasadhanam)
3. मुद्रिकप्राप्तिः (Mudrikaprapthi)
4. चन्द्रभुपतिकथा (Candrabhupatikatha)
5. सासेमिराकथा (Sasemirakatha)

6. ध्रुवपाक्यानम् (Dhruvopakhyanam)
7. विभिषणस्य रावण प्रति उपदेशः (Vibhisanasya Ravanam prati upadhesah)

Unit – III: History of Sanskrit Literature (15 periods)
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. विष्णुसर्मा Visnusarma
6. पंडित नारायण Pandita Narayana

07. चाणक्य Canakya
08. जयदेव Jayadeva
9. विश्वनाथकविराज Visvanathakaviraja
10. मुरारि मिश्र Murari Misra

B) Translation of Textual Sanskrit Sentences into Odia/English are to be done (10 periods)

Unit – IV: Grammar (10 periods)
(Textual and outside the text /General)
A) Grammar (Textual)

i) समास (Samasa)

ii) कारक-विभक्ति (Karakavibhakti)

iii) प्रकृति-प्रयय (Prakrtipratyaya)

B) Grammar (General/out side the text)

i) क्रदन्त- (रेहँ) शात्र, शाना, तथ्य, अनौय, बन, कंतनु, कवचा, त्वपू, तमु, तितन, त्वु, बिज, खल

ii) तद्धित-(Taddhita) अण, त्व, तल, मय, इन, मत, यत

iii) वाच्यपत्रवत्ते (Vacyaparivartana)

iv) वाच्यपरचत (Sentence formation)

v) भ्रमसंशोधन (Correction of sentences)

vi) राजम-(Nijanta) -भ, रथ, पप, गम, क, दा, जा, पा, नी

Books prescribed:

01. संस्कृतमात्रकी - Published by Odisha State Bureau of Textbook Preparation and Production.

02. संस्कृत-शाहिय-दीतिहास - History of Sanskrit Literature By A. B. Keith, Translation by B. Kar. Published by Odisha State Bureau of Textbook Preparation and Production.

03. व्याकरणदर्पण - Published by Odisha State Bureau of Textbook Preparation and Production

04. संस्कृत-कवि-परमर - -do-

05. Kumarasambhavam(Canto-V) of Kalidasa.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
Language-SANSKRIT
+2,1st Year Arts (For College level Exam)

GROUP - A

1. Multiple Choices : 1x15 = 15 Marks

MARK-DIVISION
: Prose - 1x5 = 5 Marks
: Poetry - 1x4 = 4 Marks
: Samasa - 1x2 = 2 Marks
: Prakritiprataya - 1x2 = 2 Marks
: Karaka Vibhakti - 1x2 = 2 (from the text)

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

MARK DIVISION
: Prose - 1x3 = 3
: Poetry - 1x3 = 3
: Vacyaparibartan - 1x2 = 2
: Krdanta - 1x2 = 2
: Taddita - 1x2 = 2
: Samasa - 1x3 = 3 (from the text)

GROUP - B

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

MARK DIVISION
: Prose - 2x4 = 8
: Poetry - 2x2 = 4
: Translation from English / Odia in to Sanskrit - 2x5 = 10

Q.4. Short Type Answers (within 25 words) : 3x6 = 18

MARK DIVISION:
(a) Prose - 3 x 4 = 12 (Out of 05 Qs)
(b) Poetry - 3x2 = 06 (Out of 03 Qs)

GROUP - C (LONG TYPE ANSWERS)

5. (within 08 sentences / 40 words) :
Prose (Long Questions = 02 Nos)
Poetry (Long Question = 02 Nos)
History of Sanskrit Literature (Long Questio=02 Nos)

7 ½ x 4 = 30 (04 OUT OF 06 Qs)

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

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No. of periods: yearly: 80

Unit-I : Drama (20 periods)
Svapnavasavadattam of Bhasa
स्वप्नवासवदत्तम् (Act-I, II, III & IV)

Unit – II: Drama (15 periods)
Svapnavasavadattam of Bhasa
स्वप्नवासवदत्तम् (Acts-V & VI)

Unit – III: Poetry (20 periods)
Samskrtamandakini (Padyabhagah)
संस्कृतमंदाकिनी (पद्यभागः)

The following poetry pieces from the above mentioned book are to be studied.
1. चाणक्यनीति : (Canakyanitih) Verses 01 to 24
2. रघुवंशम् : (Raghuvamsam) Verses 01 to 20
3. दमयंतिस्वयंवर : (Damayantisvayamvarah)

Unit – IV : Grammar from and outside the text (15 periods)

A) Grammar (Textual)
   i) कारक-सिंहा (Karakavibhakti)
   ii) ग्येत (Sandhi)
   iii) शन्धिविवेक (Sandhiviccheda)
   iv) समास (Samasah)

B) Grammar (General / outside the text)
   1. शब्दरूप (Sabdarupa)
      i) हृदय - हस्तिन - देव, विद्वत, सूक्ष, महान, सुधर, राज्य, गूण, शीत
      ii) शब्दित्व - Strilinga - लस, तात, नक, श्री, रूप, रिच, विद्य, विद्याद
      iii) विद्वतित्व - Kivalinga - कूल, विकौल, मुख, कर्म, नाम, शब्द
      iv) स्तुत्य - Sarvanama - तद, किस, इत्यद, सर्ब, बुधद, अनन्त
      v) संख्याव्यवक्त - Samkhyaavacaka - एक, द्व, त्र, चतुर्दश, पनि
   2. धातुरूप (Dhaturupa) - भृ, गम, द्रथ, क, पद, अस, जा, न, पा, पक्ष, लय, दा, विद, पुष्प
   3. शब्दप्रत्यय (Stripratyaya)

Unit – V: Translation (10 periods)
Translation (General) from English/Odia into Sanskrit are to be worked out.

Books prescribed:

01. संस्कृतलेखिकी - Published by Odisha State Bureau of Textbook Preparation and Production.
02. कारक-सिंहा - Published by Odisha State Bureau of Textbook Preparation and Production
03. संख्याव्यवक्त - भाषूकालम्
QUESTION PATTERN AND DISTRIBUTION OF MARKS
Language-SANSKRIT
+2, 2nd Year Arts (For H S Exam-2015)

GROUP - A

1. Multiple Choices : 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

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

GROUP - B

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

MARK DIVISION : Drama - 2x4 = 8
: Poetry - 2x2 = 4
: Translation from English
/ Odia in to Sanskrit - 2x5 = 10

Q.4. Short Type Answers (with in 25words) : 3x6 = 18

MARK DIVISION : (a) Drama - 3 x 4 = 12 (Out of 05 Qs)
(b) Poetry - 3x2 =06 (Out of 03 Qs)

GROUP – C (LONG TYPE ANSWERS)

5. (within 08 sentences / 40 words) : 7 ½ x 4 = 30 (04 OUT OF 06 Qs)

Drama (Long Questions = 03 Nos
Poetry (Long Question = 01 No)
Explanation (one from Drama)
Explanation (one from Poetry)

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

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HISTORY
+2 1st year Arts
(Detailed syllabus)

No. of periods : yearly : 80

Unit – I (20 periods)
2. (i) Ancient Greece: Rise of city states - Athens and Sparta, Evolution of democracy, the age of pericles.
   (iii) Major religious: Christianity and Islam.

Unit – II (12 periods)
1. Feudalism in Europe: Features, Merits and Demerits.
3. European Voyages of Explorations. (15th to 17th Century)

Unit – III (13 periods)
1. Industrial Revolution - Innovations and technological change. its Impact

Unit – IV (15 periods)
1. Formation of Nation States: Italy and Germany.
2. First World War: Causes.

Unit – V (20 periods)
1. Events leading to the Second World War, emergence of New world Order: Cold War, NATO, CENTO and end of the Cold War.

Books Prescribed:
Bureau’s Higher Secondary (+2) World History

Published by: Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar
QUESTION PATTERN AND DISTRIBUTION OF MARKS
HISTORY
+ 2, 1st Year Arts (For College Level Exam)

Full Mark: 100
Time: 3 hrs

Group – A (Objective Type – Compulsory)

Q.1 Multiple choice (15 bits from all units) 1 mark each x 15 = 15 marks
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 sentences 2 marks each x 11 = 22 marks
(out of 14 bits, one has to answer 11 bits)
Q.4. Answer within six sentences 3 marks each x 6 = 18 marks
(Out of eight bits, one has to answer six bits)

Group C(Long answer type)

Q.5. Out of six Questions from all units, one has to 7.5 marks each x 4 = 30 marks
to answer 4 questions.
Q.6

HISTORY
+2, 2nd year Arts
(Detailed syllabus)

No. of periods: yearly: 80

Unit – I (20 periods)
1. History : Meaning and Relevance.
2. Sources of Indian History : Archaeological, Literary, Foreign Accounts, Archival.
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.
   (b) Rig Vedic and Later Vedic Age : Socio-economic life, Political Organisation and Religious Beliefs, Ramayana and Mahabharat.

Unit – II (14 periods)
1. Religions Movements of sixth century B.C. Jainism and Buddhism : Teachings, Contributions to Indian Culture.
2. Kalinga War, Mauryan Administration.

Unit – III (14 periods)
1. Delhi Sultanate : Nature of the state, social structure, position of women.
3. Culture of the Mughal Age : Social structure position of women, Architecture, Paint Din-i-Lahi.
4. Vijaya Nagar Empire : Krishna Deva Ray

Unit – IV (19 periods)
3. Mahatma Gandhi and the Nationalist Movement
   (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 (13 periods)
2. Emergence of Modern Odisha.
   (a) Formation of the Province of Odisha.
   (b) Merger of the Princely states of Odisha.

Books Prescribed:

Published by: Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar

QUESTIONS PATTERN AND DISTRIBUTION OF MARKS

HISTORY

+ 2, 2nd Year Arts (For H S Exam 2015)

Full Mark: 100
Time: 3 hrs

Group – A (Objective Type – Compulsory)
Q.1 Multiple choice (15 bits from all units) 1 mark each x 15 = 15 marks
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 sentences 2 marks each x 11 = 22 marks
(out of 14 bits, one has to answer 11 bits)
Q.4 Answer within six sentences 3 marks each x 6 = 18 marks
(Out of eight bits, one has to answer six bits)

Group C (Long answer type)
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
POLITICAL SCIENCE
+2 1st year Arts
(Detailed syllabus)

No. of periods: yearly: 80

Unit-I : Foundations of Politics and Government (20 periods)

(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 (20 periods)

(A) Understanding Constitution
   i) Constitution: Meaning, Types and Importance;

(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 (20 periods)

   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 (20 periods)

   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.

Books Prescribed : Bureau’s Higher Secondary (+2) Political Science, Part-I

Published by : Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar
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QUESTION PATTERN AND DISTRIBUTION OF MARKS
POLITICAL SCIENCE
+ 2, 1st Year Arts (For College Level Exam)

Full Mark:100  Time:3 hrs

Group – A (Objective Type – Compulsory)

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

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 sentences  2 marks each x 11 =22 marks
(out of 14 bits, one has to answer 11 bits)

Q.4 Answer within six sentences  3 marks each x 6 = 18 marks
(Out of eight bits, one has to answer six bits)

Group C(Long answer type)

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

No. of periods:yearly:80

Democracy, Nation Building and Ideologies

Unit-I : Democratic Process-I (20 periods)

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 (20 periods)

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 (20 periods)

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


v) Major Challenges to National Integration in India- Regionalism, Casteism, Communalism and Terrorism
Unit-IV  Key Political Ideologies (20 periods)

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

Books Prescribed: 
1) Bureau’s Higher Secondary (+2) Political Science, Part-II  
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)  
6) Subhash Kashyap- Our Parliament (New Delhi: NBT)  
7) RIGHT TO INFORMATION (Bhubaneswar: Gopabandhu Academy of Administration)  
8) Political Theory (New Delhi, NCERT)

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
POLITICAL SCIENCE
+ 2, 2nd Year Arts (For H S Exam -2014)

Full Mark:100
Time:3 hrs

Group – A (Objective Type – Compulsory)

Q.1 Multiple choice (15 bits from all units) 1 mark each x 15 =15 marks
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 sentences 2 marks each x 11 =22 marks
(out of 14 bits, one has to answer 11 bits)
Q.4. Answer within six sentences 3 marks each x 6 = 18 marks
(Out of eight bits, one has to answer six bits)

Group C(Long answer type)

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
LOGIC
+2 1st year Arts
(Detailed syllabus)

No. of periods: Yearly-80

Unit – I (15 periods)
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 (35 periods)

Unit – IV 15 periods
Material Grounds of Induction: Observation and Experiment.

Books Prescribed:
1. Bureau’s Higher Secondary +2 Logic Part – I.
2. বিবিসি উচ্চ দৌলত (+২) সি.বি.সি. প্রথম খণ্ড

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

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QUESTION PATTERN AND DISTRIBUTION OF MARKS

LOGIC
+2 1st year Arts (For college level Exam.)

Full marks-100 Time-3hrs

Group -A (Objective type)
1. Multiple Choice 1x15=15 marks
2. Answer in one word/ Correct the sentences/ Fill in the blanks 1x15=15 marks

Group- B (Short Answer Type)
3. Answer in two or three sentences (Any Eleven) 2x11=22 marks
4. Explain or Distinguish between (Any six) 3x6=18 marks

Group- C (Long Answer Type)
5 to 10. Answer any four questions out of six questions 7.5x4=30marks

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LOGIC
+2, 2nd year Arts
(Detailed syllabus)

No. of periods:yearly:80

Unit –I
(30 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
(10 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
(20 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 – II.
2. ବେରୂରୁ ଇଇ ଗାଓଳଳର (+ନ) ଓଡିଷ୍ଟ ରଜ୍ୟେ ପାଇଁ

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

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
LOGIC
+2 2nd year Arts(For H S Exam-2015)

Full marks-100 Time-3hrs

Group -A (Objective type)
1. Multiple Choice 1x15=15 marks
2. Answer in one word/ Correct the sentences/ Fill in the blanks 1x15=15 marks

Group- B ( Short Answer Type)
3. Answer in two or three sentences (Any Eleven) 2x11=22 marks
4. Explain or Distinguish between (Any six) 3x6=18 marks

Group- C( Long Answer Type )
5 to 10. Answer any four questions out of six questions 7.5x4=30marks
ECONOMICS
+ 2, 1st Year Arts
(Detailed syllabus)

No. of periods: Yearly-80

1. **Status and Structure of Indian Economy** [10 periods]
   1. Status of Indian Economy on the eve of Independence.
   2. Basic characteristics of Indian economy.
   3. Structural changes in the Indian economy; Relative contributions of Primary, Secondary and Tertiary sectors.
   4. 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]
   (a) Agriculture - its importance, causes of low productivity, and Green Revolution; Present Agricultural situation.
   (c) Foreign trade - its role, composition and direction, Export-import Policy.
   (d) Objectives and goals of Five Year Plans.
   (e) Economic Reforms since 1991 - need, main features of Liberalisation, Privatisation and Globalisation.

3. **Current challenges facing the Indian Economy.** [15 periods]
   (a) The population problem - Demographic features, causes of population growth, adverse effects of population growth, and population control.
   (b) Poverty - Absolute and Relative poverty, causes of poverty, and poverty alleviation programmes.
   (c) Unemployment - Types of unemployment, causes of unemployment and measures to solve them.
   (d) Inflation - problems and policies.
   (e) Sustainable Development - Meaning, indicators, effects of economic growth on environment, and the problem of global warming.

4. **Introductory Statistics.** [20 periods]
   (a) Meaning, scope, importance and limitations of statistics.
   (b) Sources of statistical data - Primary and Secondary, NSSO and Census of India as sources of secondary data.
   (c) Methods of data collection - census and sampling methods and their relative merits and demerits.
   (d) Meaning and types of variables, frequency distribution.
   (e) Tabular and Diagrammatic presentation of data, Bar diagram, Pie diagram, Histogram, Polygon, Ogive, Time series graph.

5. **Statistical Methods.** [20 periods]
   (a) Measures of Central Tendency —Simple and weighted arithmetic mean, median and mode.
   (b) Measures of dispersion -Absolute measures: Range, Quartile Deviation, Mean Deviation and Standard Deviation and their merits and demerits.
   (c) Relative Measures: Coefficient of Range, Quartile Deviation, Mean Deviation and Standard Deviation.
   (d) Lorenz Curve : Meaning and application.
   (e) Correlation - Meaning, Types, Karl Pearson’s Method of computing correlation coefficient in the context of 2-variable ungrouped data.

**Books Prescribed:**
Bureau’s Higher Secondary (+2) Economics, Part-I, Published by Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
ECONOMICS
+ 2, 1st Year Arts (For College Level Exam)

Full Mark:100 Time:3 hrs

Group – A (Objective Type – Compulsory)

Q.1 Multiple choice (15 bits from all units) 1 mark each x 15 =15 marks
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 sentences 2 marks each x 11 =22 marks
(out of 14 bits, one has to answer 11 bits)
Q.4. Answer within six sentences 3 marks 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 all units, one has to 7.5 marks each x 4 = 30 marks
to answer 4 questions.
Q.10

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ECONOMICS
+2, 2nd Year Arts
(Detailed syllabus)

No. of periods: Yearly-80
Elementary Micro and Macro Economics

1. Basics of Microeconomics and Consumer Behaviour. [15 periods]
   a) Meaning of Economics and Microeconomics.
   b) Central problems of an Economy- Scarcity- and Choice; What; how and for whom to produce?
   e) 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]
   a) Meaning of production and production function; Total, Average and Marginal Product; Law of Variable Proportions.
   b) Cost - Money and Real cost; Implicit and Explicit cost; Opportunity Cost; Fixed and Variable costs;
   c) Total, Average and Marginal costs in the short run and their relationship.
   d) Revenue- Total, Average and Marginal Revenue and their relationship.
   e) Supply - Meaning and Law of supply.
   f) 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. [10 periods]
   a) Meaning of Distribution, Ricardian Theory of Rent and Quasi-Rent, Money and Real Wages,
   b) Determinants of Real wage, Causes of Wage Differences, Gross and Net Interest, Gross and Net Profit, Constituents of Profit.

4. Introductory Macroeconomics. [20 periods]
   a) Meaning of Macroeconomics, Difference between Macro-and Micro-Economics.
   c) Income Determination - Aggregate Demand and its Components, Aggregate Supply, Simple Keynesian Theory of Income Determination,

5. Money, Banking and Public Finance. [20 periods]
   a) Definition and functions of money.
   b) Meaning and functions of commercial Banks, Functions of Central Bank.
   d) Meaning and objectives of Government Budget, Difference between balanced and unbalanced budgets, surplus and deficit budgets.

Books Prescribed:
Bureau’s Higher Secondary (+2) Economics, Part-II, ପେଳ୍ଳିତ୍ରଙ୍ଗଦକ୍ଷିଣରେ ପରିଳୋଙ୍ଗିତ୍ରଙ୍ଗଦକ୍ଷିଣ (ପରିଳୋଙ୍ଗିତ୍ରଙ୍ଗଦକ୍ଷିଣ) ପରିଳୋଙ୍ଗିତ୍ରଙ୍ଗଦକ୍ଷିଣ
Published by Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
ECONOMICS
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Marks:100 Time:3 hrs

Group – A (Objective Type – Compulsory)

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

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

Group C(Long Answer type)

Q5. to Q.10 Out of six Questions from all units, one has to 7.5 marks each x 4 = 30 marks
answer 4 questions.
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 variables, variance of sum of random variables.

UNIT – II :

a. **Statistical methods**
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 bar diagram, pie diagram, pictogram and cartograms, histogram, frequency polygon, frequency curve and ogives.

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

c. **Measures of dispersion:**
Range, Inter-quartile range, Quartile Deviation, mean absolute deviation, standard deviation, co-efficient of variation and Lorenz curve.

d. **Moments, skewness and kurtosis:**
Raw and central moments of various orders, skewness and its different measures, kurtosis, Beta one ($\beta_1$) Beta two ($\beta_2$) Gamma one ($\gamma_1$) and gamma two ($\gamma_2$) measures.

UNIT - III

a) **Sampling methods:**
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 samples: Lottery method and random number table method, 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.

**Text Book Recommended :**

Bureau’s Higher Secondary (+2) Statistics, Part - I, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
STATISTICS (THEORY)
+ 2, 1st Year Arts (For College Level Exam)

Full Mark : 70
Time : 3 Hrs.

Group-A (Objective Type)

Q. 1 Compulsory : 
1×10 = 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory :
1×10 = 10 marks
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

Group-B (Short Answer Type)

Q. 3 Short Answer Type Questions with alternatives :
2×10 = 20 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives :
3×3 = 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

Group-C (Long Answer Type):

Q.5 to Q.7 :
7×3 = 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.

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STATISTICS (PRACTICAL)
+ 2, 1st Year Arts
(Detailed Syllabus)

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.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
STATISTICS (PRACTICAL)
+ 2, 1st Year Arts (For College Level Exam)

Full Mark : 30
Time : 3 Hrs

1) Solution of Problems : 24 Marks
2) Viva Voce : 3 Marks
3) Record : 3 Marks

*****
No. of Periods: Yearly-80
Unit I: TIME SERIES (20 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 relatives methods.

Unit II: INDEX NUMBER (30 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 III: (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).

Text Book Recommended:
Bureau's Higher Secondary (+2) Statistics, Part - II, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar

Question Pattern and Distribution of Marks

Full Mark: 70
Time: 3 Hrs.

Group A (Objective Type)
Q. 1 Compulsory: 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory: 10 marks
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

Group B (Short Answer Type)
Q. 3 Short Answer Type Questions with alternatives: 20 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives: 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

Group C (Long Answer Type): 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.

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Measurement of trend by moving averages and by least square (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 : Laspeyre's, Paasche's and Fisher's formula; coefficient of correlation, coefficient Regression co-efficients and regression lines.

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

Book recommended:
   Bureau’s Higher Secondary (+2)Statistics, Part-II Published by Odisha State Bureau of Textbook Preparation and production, Bhubaneswar.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
STATISTICS (PRACTICAL)
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Mark : 30 Time : 3 Hrs

1) Solution of Problems – 24 Marks
2) Viva : 3 Marks
3) Record : 3 Marks

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MATHEMATICS
+ 2, 1st Year Arts
(Detailed Syllabus)

No. of Periods: Yearly-100

Unit-I

(A) Logic: (6 periods)
- Statements, negation, conjunction, disjunction, conditional, biconditional and their truth tables.
- Tautology and equivalence of statements, implications and double implications.
- Converse, Inverse, Contrapositive.
- 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 IR x IR.
- Representation of 3-dimensional space by IR x IR x IR.

(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 R, Absolute value, Triangle inequality, AM > 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 inequalities.
- (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

(A) Relation (6 periods)
- Definition, domain and range of a relation, inverse of a relation, types of relation.
- 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)
- Definition, domain, range of a function, injective, surjective and bijective functions.
- Equality of functions, composition of functions, inverse of a function, odd and even functions.
- Real valued function of a real variable.
- 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 $0 < a < 1$, $e^x$, $\ln x$, $|x| \lfloor x \rfloor$, sgn $(x)$.

(C) Limit and continuity: (7 periods)
- Limit of function (1-d 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

A. Trigonometry : (11 periods)
   (i) Periodicity of trigonometric functions.
   (ii) Trigonometric ratios of compound, multiple and sub multiple 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, Arithmetic-geometric series.
   (iii) Exponential and logarithmic series.

C. Statistics : (4 periods)
   Measures of dispersion, mean deviation, standard deviation and variance, co-efficient of variation, co-efficient of correlation.

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: Co-ordinate Geometry of two Dimensions. (25 Periods)

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 :
   \[ ax^2 + 2hxy + by^2 = 0 \]
   \[ ax^2 + 2hxy + by^2 + 2gx + 2fy + c = 0. \]
   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)

Books Recommended :
Elements of Mathematics : Vol - I & II
Published by Odisha State Bureau of Textbook Preparation and Production.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
MATHEMATICS
+ 2, 1st Year Arts (For College Level Exam)

Full Mark : 100  Time : 3 Hrs

Group – A (Objective Type)

Q1. 10 Objective type questions carrying 1 mark each :  
Covering all units  

(1 × 10 = 10 Marks)

Group – B (Short Answer Type)

Q2 to Q5. Out of 30 questions one has to answer 20 questions :  
(Unit – I – 5 Question out of 7)  
(Unit – II – 5 question out of 7)  
(Unit – III – 5 questions out of 8)  
(Unit – IV – 5 question out of 8)  

(3 × 20 = 60 Marks)

Group – C (Long Answer Type)

Q6 to Q9 Four long answer type questions with alternatives :  
(Unit - I - 1 question out of 2)  
(Unit - II - 1 question out of 2)  
(Unit - III - 1 question out of 3)  
(Unit - IV - 1 question out of 3)  

(7 ½ × 4 = 30 marks)
MATHEMATICS
+ 2, 2nd Year Arts
(Detailed syllabus)

No. of Periods: Yearly-100

Unit-I

(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) & its application is problems. 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

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.

\[
\frac{dy}{dx} + p(x)y = q(x)
\]
Solutions of differential equations of the form \( \frac{d^2y}{dx^2} = f(x) \)

Unit-III :

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)
   Determinants up to order three, Minors and Co-factors, properties of determinants, Cramer's rule.
   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)
   Counting principle, Permutations and combinations (with and without repetition )
   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)
   Basic concepts of probability
   Conditional probability and independence
   Compound events
   Random variable and probability Distribution (Binomial distribution only)

Books Prescribed :
Elements of Mathematics : Vol - I & II
Published by Odisha State Bureau of Textbook Preparation and Production.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
MATHEMATICS
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Mark : 100 Time : 3 Hrs

Group – A (Objective Type)
Q1. 10 Objective type questions carrying 1 mark each :
   (1 × 10 = 10 Marks)
   (Diff. Calculus , Integral calculus, Application of derivatives, Differential equation, vectors, Det & Matrix, Permutation and combinations & Probability : 1 questions from each chapter
   Three dimensional geometry : 2 questions)

Group – B (Short Answer Type)
Q2 to Q.5. Out of 30 questions one has to answer 20 questions :
   (3 × 20 = 60 Marks)
   (Unit – I – 5 Question out of 7)
   (Unit – II – 5 question out of 7)
   (Unit – III – 5 questions out of 8)
   (Unit – IV – 5 question out of 8)

Group – C (Long Answer Type)
Q.6 to Q.9 Four long answer type questions with alternatives :
   (7 ½ × 4 = 30 marks)
   (Unit - I - 1 question out of 2)
   (Unit - II - 1 question out of 2)
   (Unit - III - 1 question out of 3)
   (Unit - IV - 1 question out of 3)

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SOCIOMETRY
+2 1st year Arts
(Detailed Syllabus)

No. of periods: yearly: 80

Unit I: Introducing Sociology (16 periods)
   Emergence, Meaning, Nature and Scope
   Relationship of Sociology with social sciences: Political Science, History, Economics, Psychology and Anthropology

Unit II: Basic Concepts (16 periods)
   Society: Meaning and Characteristics
   Community: Meaning and Characteristics
   Association: Meaning and Characteristics
   Institution: Meaning and Characteristics
   Social Group: Meaning and Characteristics
   Culture: Meaning and Characteristics

Unit III: Social Institutions (16 periods)
   Family: Meaning, Characteristics, Types and Functions
   Kinship: Meaning and Types
   Religion: Meaning, Functions and Dysfunctions
   Education: Meaning and Functions

Unit IV: Social Stratification and Processes (16 periods)
   Social Stratification: Meaning, Characteristics, Caste, Class and Gender
   Social Processes: Co-operation, Competition and Conflict

Unit V: Environment and Social Change (16 periods)
   Environment: Meaning, Impact on Society, Crisis and Responses
   Social Change: Meaning and Factors – Biological, Cultural and Technological

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
SOCIOLOGY
+ 2, 1st Year Arts (For college level Exam)

Full Marks: 100 Time: 3 hrs

Group – A (Objective Type – Compulsory)

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

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

Group C (Long Answer type)

Q5. to Q.10 Out of six Questions from all units, one has to 7.5 marks each x 4 = 30 marks
   answer 4 questions.
Sociology
+2, 2nd Year Arts
(Detailed syllabus)

No. of periods: Yearly: 80

Unit – I
Introducing Indian Society (16 periods)
- Colonialism, Nationalism
- National Integration: Concept and Problems – Communalism, Terrorism, Casteism and Regionalism

Unit – II
Social Institutions: Continuity and Change (16 periods)
- Hindu Joint Family: Meaning, Characteristics, Functions, Dysfunctions, Recent Changes
- Hindu Marriage: Meaning, Aims, Traditional Forms, Hindu Marriage Act, 1955, Recent Changes
- Women Empowerment: Meaning, Types – Economic, Political, Social, Legal
- Muslim Marriage: Conditions and Types
- Tribe: Meaning, Characteristics and Ways of acquiring mates

Unit – III
Demographic Structure and Indian Society (16 periods)
- Village Community – Meaning and characteristics,
  Rural – Urban Linkages and Divisions

Unit – IV
Pattern of Social Inequality and Exclusion (16 periods)
- Caste and Social Inequality
- Class and Social Inequality
- Marginalized Classes: Scheduled Castes, Scheduled Tribes, Constitutional Safeguards

Unit – V
Processes of Social Change in India (16 periods)
- Sanskritisation – Meaning, Characteristics and Impact
- Westernisation – Meaning, Characteristics and Impact
- Urbanisation – Meaning, Characteristics and Impact
- Globalisation – Meaning, Characteristics and Impact

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
SOCIOLGY
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Marks: 100
Time: 3 hrs

Group – A (Objective Type – Compulsory)

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

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

Group C (Long Answer type)

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
GEOGRAPHY (THEORY)
+ 2, 1st Year Arts
(Detailed syllabus)

No. of Periods: Yearly-80

Unit-I: Nature of Geography and Lithosphere: 30 Periods
1. Meaning and scope of Geography, Branches of Geography
3. Interior of the Earth
4. Earthquakes and volcanoes
5. Major types of Rocks and their characteristics
6. Major types of Soils and their world distribution
7. Weathering and erosion
8. Works of River, Wind and Glacier.

Unit-II: Hydrosphere and Biosphere: 20 Periods
1. General relief of the Ocean floor
2. Distribution of Temperature and salinity of Ocean water
3. Movement of Ocean water- Tides and Currents (Atlantic & Indian)
4. Environment- Types and Conservation, Man-Environment Relationship, Bio-Sphere- Concept, importance of Plants and Animals in the Biosphere.

Unit-III: Regional Geography of Odisha: 30 Periods
1. Physiography, Climate and Natural Vegetation
2. Agriculture: Problems and Prospects
3. Industry: Iron and Steel, Aluminium
4. Population: Distribution and Density
5. Transportation - Land Water & Air

Books Prescribed:
Higher Secondary Geography, Part – I (9th & 10th (+ 9) Class of Odisha Board)
PUBLISHED BY ODISHA STATE BUREAU OF TEXT BOOK PREPARATION & PRODUCTION, BHUBANESWAR

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
GEOGRAPHY (THEORY)
+ 2, 1st Year Arts (For College Level Exam)

Full Mark: 70
Time: 3 Hrs.

**Group-A (Objective Type)**

Q. 1 Compulsory : 
1×10 = 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory : 
1×10 = 10 marks
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

**Group-B (Short Answer Type)**

Q. 3 Short Answer Type Questions with alternatives : 
2×10 = 20 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives :
3×3 = 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying three marks, covering all units, out of which three are to be.

**Group-C (Long Answer Type Questions with alternatives)**:

Q. 5 to Q. 7 :
7×3 = 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.
UNIT-I: FUNDAMENTALS OF MAPS:
1. Maps - Types, Scale - Types - Construction of Linear And Diagonal Scale
2. Drawing of parallels of latitudes and meridian of longitudes
3. Contour and cross-section: Hill, Waterfall, Plateau, Col, ‘V’-shaped valley
4. Identification of topographical symbols and weather symbols
5. Function and use of Meteorological Instruments

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
GEOGRAPHY (PRACTICAL)
+ 2, 1st Year Arts (For College Level Exam)

Full Mark : 30

1. Experiment - 20 Marks
2. Viva-Voce - 5 Marks
3. Record - 5 Marks

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No. of Periods: Yearly-80

Unit-I : Atmosphere: 20 Periods
1. Atmosphere – Composition and Structure
2. Elements and factors of Weather and Climate
3. Insolation, Temperature- Horizontal and Vertical Distribution
4. Atmospheric Pressure and Pressure belts, Winds- Planetary, Periodical and local
5. Humidity- Evaporation, Condensation and Precipitation, Types of Rainfall.

Unit-II : Resource and Human Geography: 30 Periods
2. Human Activities:
   a. Primary: Agriculture and allied activities,
      Types of Agriculture: Subsistence and Commercial
   b. Secondary: Manufacturing Industries; Types-
      Household, Small Scale, Large Scale (Iron and Steel)
   c. Tertiary: Transport and Communication (Roads & Railways)
3. Distribution of Population and Factors influencing pattern of distribution

Unit-III : Regional Geography of India: 30 Periods
1. Physiography
2. Drainage
3. Climate
4. Natural Vegetation
5. Soils
6. Population: Distribution and Density
7. Agriculture: Distribution of Rice and Wheat
8. Industry: Distribution of Iron and Steel Industries

Books Prescribed:
Higher Secondary Geography, Part – II, ပညာမဆို (+) ပညာရေး ပညာမဆို
Published by Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
GEOGRAPHY (THEORY)
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Mark : 70  
Time : 3 Hrs.

Group-A (Objective Type)

Q. 1 Compulsory :  
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory :  
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

Group-B (Short Answer Type)

Q. 3 Short Answer Type Questions with alternatives :  
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives :  
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

Group-C (Long Answer Type):  
Q.5 to Q.7 :  
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.

GEOGRAPHY (PRACTICAL)
+ 2, 2nd Year Arts  
(Detailed Syllabus)

Unit-I
1. Map Projection- Construction of Simple Cylindrical, Cylindrical equal-area, Simple conical with one standard parallel, Gnomonic, Stereographic (Polar Case) Projections
2. Computation of Mean, Median and Mode (Grouped and Ungrouped data)
3. Construction of Vertical Bar, Horizontal Bar and Wheel Diagram

Unit-II : Chain and Tape Survey

Full Mark : 30  
Time : 3 Hrs.

1. Experiment - 20 Marks
2. Viva – Voce - 5 Marks
3. Record - 5 Marks

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EDUCATION (THEORY)

+2, 1st Year Arts
(Detailed syllabus)

No. of periods: yearly: 80

Unit – I: Fundamentals of Education - (20 periods)

Unit – II: Educational Psychology - (20 Periods)
A – Meaning, nature and scope of Educational Psychology. Importance of Educational Psychology for the teacher.

Unit – III: School Organisation and Curriculum - (20 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 - (20 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.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
EDUCATION (THEORY)
+ 2, 1st Year Arts (For college level Exam)

Full Mark: 70
Time: 3 Hrs.

Group-A (Objective Type)
Q. 1 Compulsory : 1×10 = 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory : 1×10 = 10 marks
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

Group-B (Short Answer Type)
Q. 3 Short Answer Type Questions with alternatives : 2×10 = 20 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives : 3×3 = 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

Group-C (Long Answer Type):
Q. 5 to Q. 7 : 7×3 = 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.
EDUCATION (PRACTICAL )
+2, 1st year Arts
(Detailed syllabus)

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.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
EDUCATION (PRACTICAL)
+ 2, 1st Year Arts (For college level Exam )

<table>
<thead>
<tr>
<th>Full marks:30</th>
<th>Time:3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Performance in Classroom Teaching - 15 marks</td>
<td></td>
</tr>
<tr>
<td>(ii) Use of Teaching Aids - 10 marks</td>
<td></td>
</tr>
<tr>
<td>(iii) Practice Teaching Record - 05 marks</td>
<td></td>
</tr>
</tbody>
</table>

Books Recommended:
1. Bureau’s Higher Secondary (+2) Education part –I
2. বিশ্ববিদ্যালয়ের বিরুদ্ধে (+৯) বিশ্ববিদ্যালয়ের বিরুদ্ধে
3. Sikshyaniti Prabesh By Sri Mohan Charan Nayak
   Published by Odisha State Bureau of Textbook Preparation and Production, Bhubaneswar.

*****
No. of periods: yearly:80

Unit – I : Problems of School Education - (20 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 - (20 periods)
(a) Mahatma Gandhi
(b) Pandit Gopabandhu Dash
(c) Rousseau

Unit – III
A- Learning Process – (20 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

Unit – IV
A - Elementary Educational Statistics - (10 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. (10 periods)

QUESTION PATTERN AND DISTRIBUTION OF MARKS
EDUCATION (THEORY)
+2, 2nd Year Arts (For H.S. Exam - 2015)

Full Mark : 70
Time : 3 Hrs.

Group-A (Objective Type)

Q. 1 Compulsory :
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory :
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

Group-B (Short Answer Type)

Q. 3 Short Answer Type Questions with alternatives :
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives :
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

Group-C (Long Answer Type):

Q.5 to Q.7 :
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.
EDUCATION (PRACTICAL)
+2, 2nd year Arts
(Detailed syllabus)

(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.

**QUESTION PATTERN AND DISTRIBUTION OF MARKS**

**EDUCATION (PRACTICAL)**
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

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</tbody>
</table>

**Books Recommended:**
1. Bureau’s Higher Secondary (+2) Education part –II
2. କୁନ୍ଦନେ ମାନ୍ଦାନକାରକ (+9) ତିଥି ମାନ୍ଦାନକାର
3. Educational Measurement in (Odia) By Sri Sarbeswar Samal
   Published by Odisha State Bureau of Textbook Preparation and Production, Bhubaneswar.

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ANTHROPOLOGY
(THEORY)
+2 1st year Arts
(Detailed syllabus)

No. of periods: yearly:80
UNIT- I (30 periods)

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, Polynology
Tool Types : Chopper, Chopping Tool, Cleaver, Hand axePoint, Scraper, Blade, Microliths, Axe, Adze
Bone Tools : Needle, Harpoon, Fish Look, 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 (30 periods)

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 Comparision of Magic , religion and
science
b) Social stratification : Class, Caste and Varna, Criteria of Class Distinctions
Caste System in India Features and Functions changes in caste system in modern in India.
c) Primitive law and Political organization , Definition of Law, Supernatural Legal Devices – Divination,
Conditional Curse, Ordeal and Oath.
d) Political Organization in primitive society : Uncentralized socio political system- Band and Trbes
Centralized socio political system – chiefdom and state

UNIT-III (20 periods)

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.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
ANTHROPOLOGY(THEORY)
+ 2, 1st Year Arts (For college level Exam )

Full Mark : 70
Time : 3 Hrs.

Group-A (Objective Type)
Q. 1 Compulsory : 1×10 = 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory : 1×10 = 10 marks
Ten one word answer / very short answer / correct sentences / fill in
the blank type questions, each carrying one mark, covering all units.

Group-B (Short Answer Type)
Q. 3 Short Answer Type Questions with alternatives : 2×10 = 20 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which
ten are to be answered. (Some of the questions should be of reasoning type, answers of which
are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives : 3×3 = 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying
three mark, covering all units, out of which three are to be.

Group-C (Long Answer Type):
Q.5 to Q.7 : 7×3 = 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three
are to be answered unit wise.

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ANTHROPOLOGY( PRACTICAL)  
+2 1st year Arts  
(Detailed syllabus)  

I) Drawing and description of the following lithic tools (Total Ten Tools)  
   a) Paleolithic  
   b) Mesolithic  
   c) Neolithic  

II)  
   a) Census- students are required to submit filled in household census schedule from five households  
   b) Museum Study – Students are required to visit any museum and write a report.  

QUESTION PATTERN AND DISTRIBUTION OF MARKS  
ANTHROPOLOGY(PRACTICAL)  
+ 2, 1st Year Arts (For college level Exam)  

Full Marks : 30  
Time : 3 Hrs.  

I) Drawing and description of the following lithic tools (Total Ten Tools)  
   a) Paleolithic  
   b) Mesolithic  
   c) Neolithic  
   10 marks  

II) Census- students are required to submit filled in household census schedule from five households  
   10 Marks  
   Or  
   Museum Study – Students are required to visit any museum and write a report.  
   10 Marks  

III) Practical Record  
    5 Marks  

IV) Viva Voce  
    5 Marks  

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Books Prescribed:  
1. ପୁଳେଲାଳ ତଳକ୍ପ୍ରଚୁକ୍ତି (+ 9) ପାକନାତ କଳଫାଟ  
   Published by : Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar  
2. The old stone Age - M.C Bur Kitt  
3. An outline of Indian prehistory – D.K Bhattachaya  
4. An Introduction to Social Anthropology – DN Majumdar and T.N. Madan  
5. Anthropology – The Study of Man – Indrani Basu Roy  
6. Introducing Social and Cultural Anthropology – Hemendra Nath Banarjee  
8. Anthropology – Ember, Ember and Prergrine  
9. Anthropometry – Singh and Bhasin  
10. ପୁଳେଲାଳ ତଳକ୍ପ୍ରଚୁକ୍ତି (+ 9) ପାକନାତ କଳଫାଟ  

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ANTHROPOLOGY (THEORY)
+2, 2nd year Arts (Detailed syllabus)

No. of periods: yearly:80

UNIT– I :SOCIAL ORGANISATION (30 periods)

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.


c) Kinship – Definition category of Kins- Consagained and affinal, Degree of kinship, Primary secondary, tertiary, Kinship, Terminology – Classificatory and Descriptive, Descent and Rules of Descent

Descent Groups – Lineage, Clan, Phratry, Moiety Kinship Usages – Avoidance, Joking Relationship, Teknonymy, Avanculate, Antilate and Couvade

d) Associations – Definition, Non voluntary associations, age set, Unisex Associations or Youth Dormitory, Voluntary Associations – Ethnic Assocoiations, Secret Societies.

UNIT-II :PHYSICAL ANTHROPOLOGY (30 periods)


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

UNIT-III :INDIAN PREHISTORY (20 periods)

Paleolithic culture of India , Mesolithic culture of India , Neolithic culture of India, , Indus Valley Civilization

QUESTION PATTERN AND DISTRIBUTION OF MARKS
ANTHROPOLOGY(THEORY)
+ 2, 2nd Year Arts (For H S Exam-2015 )

Full Mark :  70
Time : 3 Hrs.

Group-A (Objective Type)

Q. 1 Compulsory : 1×10 = 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory : 1×10 = 10 marks
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

Group-B (Short Answer Type)

Q. 3 Short Answer Type Questions with alternatives : 2×10 = 20 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives : 3×3 = 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

Group-C (Long Answer Type):

Q.5 to Q.7 : 7×3 = 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.
ANTHROPOLOGY (PRACTICAL)  
+ 2, 2nd Year Arts (Detailed syllabus) 

I)  
a) Identification of ABO Blood Group of Ten Individuals  
b) Craniometric Measurements of Fire skulls and Mandibles  
   Maximum cranial Length  
   Maximum cranial Breadth  
   Minimum Frintal Breadth  
   Basior Bregma Height  
   Bigonial Breadth  

II) Somatometric Measurements on Five individuals  
a) Maximum Head Length  
b) Maximum Head Breadth  
c) Bizygomatic Breadth  
d) Morphological Facial height  
e) Nasal Length  
f) Nasal Breadth  

III) Osteometry  
Drawing, Labelling description and identification of the following long bones  
a) Humerus, Radius, Ulna  
b) Femur, Tibia, Fibula  
c) Human Skill & Manbible  

QUESTION PATTERN AND DISTRIBUTION OF MARKS  
ANTHROPOLOGY (PRACTICAL)  
+ 2, 2nd Year Arts (For H S Exam-2015) 

Full Mark : 30  
Time : 3 Hrs  

I) Identification of ABO Blood Group of Ten Individuals 5 Marks  
OR  
Craniometric Measurements of Fire skulls and Mandibles  
a) Maximum cranial Length  
b) Maximum cranial Breadth  
c) Minimum Frintal Breadth  
d) Basior Bregma Height  
e) Bigonial Breadth  

II) Somatometric Measurements on Five individuals 5 Marks  
d) Maximum Head Length  
e) Maximum Head Breadth  
f) Bizygomatic Breadth  
g) Morphological Facial height  
h) Nasal Length  
i) Nasal Breadth  

III) Osteometry 10 Marks  
Drawing, Labelling description and identification of the following long bones  
a) Humerus, Radius, Ulna  
b) Femur, Tibia, Fibula  
c) Human Skill & Manbible
IV) Practical Record 5 Marks
V) Viva Voce 5 Marks

1. Books Prescribed: ওড়িশা বাংলা রাষ্ট্রীয় (+9) প্রকাশনা বিভাগ
   Published by: Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar

2. The old stone Age - M.C Bur Kitt
11. An outline of Indian prehistory – D.K Bhattachaya
12. An Introduction to Social Anthropology – DN Majumdar and T.N. Madan
15. Fundamentals of Physical Anthropology – R.M Sarkar
16. Anthropology – Ember, Ember and Pregrine
17. Anthropometry – Singh and Bhasin
18. ওড়িশা বাংলা রাষ্ট্রীয় (+9) প্রকাশনা বিভাগ

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No. of periods :yearly-80

Unit-I (25 periods)

1. **What is psychology ?**
   (a) Meaning and definition of Psychology.
   (b) Psychology as a science.
   (c) Brief idea about the different approaches to the study of Psychology.
      (i) Biological
      (ii) Behaviouristic
      (iii) Cognitive
   (d) Field of Psychology
      (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 & Anthroplogy)

2. **Methods used in Psychology:**
   (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.
   (b) Brief idea about methods of studying brain functions
      (i) Ablation (ii) Stimulation (iii) Electrical recording (iv) scanning
   (c) Structure and functions of Central Nervous System.
   (d) (i) Spinal Cord (ii) Brain
   (e) Autonomic Nervous system

Unit-II (30 periods)

4. **Sensory and perceptual Processes:**
   (a) Brief idea about sense organs (Structure and function of eye)
   (b) Attention : Determinants and types of attention
   (c) Perception : Meaning, operational definition, processes involved in perception
      (Receptive, selective, symbolic and affective process.)
   (d) Principles of perceptual organization
5. **Learning:**
   (a) Meaning and operational definition of learning: Learning as distinguished from maturational changes and performance.
   (b) Processes of Learning: (i) Trial and Error (ii) Classical Conditioning (iii) Operant Conditioning (iv) Cognitive learning - Insight.

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

Unit-III (25 periods)

7. **Motivation and Emotion**
   (a) Meaning and operational definition of Motivation.
   (b) Brief idea about Types of Motives: Biological, Social and Psychological.
   (c) Meaning, operational definition and Nature of emotion.
   (d) Different bodily or organic changes or physiological changes during emotion.

8. **Intelligence**
   (a) Meaning and Nature of intelligence.
   (b) Approaches to understanding intelligence:
      (i) Gardner (ii) Sternberg (iii) J.P.Das
   (c) Factors influencing intelligence.

9. **Language and Thought:**
   (i) Nature and Interrealationship
   (ii) Stages of Cognitive development by Piaget
   (iii) Problem Solving
   (iv) Creative Thinking : Nature and stages of creative thinking

Books Recommended:
1. Psychology Part-I, NCERT
2. Bureau's Higher Secondary +2 Psychology Part-I, Published by Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
PSYCHOLOGY(THEORY)
+2 1st year Arts (For college level Exam.)

Full marks: 70 Time: 3 hrs

Group- A : Objective type (compulsory)
Q.No. 1. Multiple choice (Fill up the blanks from all units): 1 Mark X 10 = 10 Marks
Q.No. 2. Statements "True" or "False": 1 Mark X 10 = 10 Marks

Group- B : (Short Answer type)
Q.No. 3 (Answer within two/three sentence, 10 out of 12 bits): 2 Marks X 10 = 20 Marks
Q.No. 4 (Answer within six sentences, 3 out of 5 bits): 3 marks X 3 = 09 Marks

Group-C : (Long answer type)
Q.No. 5 to Q No. 9 (out of five questions from all units one has to answer three questions): 7 marks X 3 = 21 Marks

PSYCHOLOGY(PRACTICAL)
+2 1st Year Arts
(Detailed syllabus)

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

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
PSYCHOLOGY(PRACTICAL)
+2, 1st Year Arts (For College Level Exam)

Full Mark : 30 Time : 3 Hrs.

1. Experiment - 20 Marks
2. Viva – Voce - 7 Marks
3. Record - 3 Marks
PSYCHOLOGY
(Theory)
+2, 2nd year Arts
(Detailed syllabus)

Unit-I (25 periods)
1. Life span development:
   (a) Meaning of development - life span perspective
   (b) Principles of development.
   (c) Factors influencing development
   (d) Stages of development: Prenatal stage, Infancy, Childhood stage, Adolescence, Adulthood, Old age.

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

Unit-II (25 periods)
3. Socio-cultural bases of behaviour:
   (a) What is culture? Relationship between culture and behaviour
   (b) Process of socialization and acculturation

4. Physical Environment and behaviour.
   (a) Environmental effects on human behaviour.
   (b) Impact of human behaviour on environment.

5. Social influence and Group processes;
   (a) Nature, types and formation of groups
   (b) Nature, functions and styles of leadership

Unit-III (30 periods)
6. Psychological disorders:
   (a) Concept of Normality and abnormality, criteria of studying abnormal behaviour.
   (b) Causal factors related to abnormal behaviour.
   (c) Symptoms of major psychological disorders: Anxiety disorders, mood disorders, schizophrenia.

7. Counselling Psychology:
   (a) What is counselling?, Stages of counselling
   (b) Characteristics of an effective counsellor.

8. Psychology in organizational settings:
   (a) Meaning of organization:
   (b) Structure of organization.

9. Statistics in Psychology:
   (a) Frequency distribution.
   (b) Graphic representation of scores, Polygon and Histogram.
   (c) Measures of Central tendency: Computation and uses of mean median and mode.

Books Recommended:
1. Psychology Part-I and Part-II, NCERT
2. Published by: Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar
QUESTION PATTERN AND DISTRIBUTION OF MARKS
PSYCHOLOGY (THEORY)
+2, 2nd year Arts (For H.S Exam. -2015)

Full marks: 70  Time: 3 hrs

Group- A : Objective type (compulsory)
Q.No. 1. Multiple choice (Fill up the blanks from all units) : 1 Mark X 10 = 10 Marks
Q.No. 2. Statements "True" or "False": 1 Mark X 10 = 10 Marks

Group- B : (Short Answer type)
Q.No. 3 (Answer within two/three sentence, 10 out of 12 bits): 2 Marks X 10 = 20 Marks
Q.No. 4 (Answer within six sentences, 3 out of 5 bits): 3 marks X 3 = 09 Marks

Group-C : (Long answer type)
Q.No. 5 to Q No. 9
(out of five questions from all units one has to answer three questions): 7 marks X 3 = 21 Marks

PSYCHOLOGY (PRACTICAL)
+2, 2nd year Arts
(Detailed syllabus)

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 Quality)

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
PSYCHOLOGY (PRACTICAL)
+2, 2nd Year Arts (For H.S Exam-2015)

Full Mark: 30  Time: 3 Hrs.

1. Experiment - 20 Marks
2. Viva Voce - 7 Marks
3. Record - 3 Marks
HOME SCIENCE
(THEORY)
+2, 11th year Arts
(Detailed syllabus)

No. of periods: yearly-80

UNIT-I (25 periods)

(A) HOME MANAGEMENT: (14 MARKS)
  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)
  a) Types of bandages (Roller and Triangular)
  b) First aid in drowning, electric shock, burns and foreign bodies in the eye

UNIT-II (25 periods)

(A) FOOD AND NUTRITION (12 marks)
  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)
  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, filerea 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 (30 periods)

(A) TEXTILES: (12marks)
  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)
  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

Factors influencing prenatal growth and development such as age of the mother, diet of the mother,
drugs, X-Ray, radiation, paternal illness, RH factors, maternal emotional state and attitude.

BOOKS RECOMMENDED:
Ucha madhyamika Gruha bigyana,published by odisha state bureau of test book preparation and production, Bhubaneswar

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
HOME SCIENCE (THEORY)
+2 ,1st year Arts (For college level Exam.)

Full marks: 70  Time: 3 hrs

Group- A: Objective type (compulsory)
Q.No. 1. Multiple choice (Fill up the blanks from all units) : 1 Mark × 10 = 10 Marks
Q.No. 2. Statements "True" or "False": 1 Mark × 10 = 10 Marks

Group- B: (Short Answer type)
Q.No. 3 (Answer within two/three sentence, 10 out of 12 bits): 2 Marks × 10 = 20 Marks
Q.No. 4 (Answer within six sentences, 3 out of 5 bits): 3 marks × 3 = 09 Marks

Group- C: (Long answer type)
Q.No. 5 to Q No. 9 (out of five questions from all units one has to answer three questions): 7 marks × 3 = 21 Marks

HOME SCIENCE (PRACTICAL)
+2, 1st year Arts
(Detailed syllabus)

UNIT I FOOD AND NUTRITION:
Planning and preparation of dishes rich in protein, vitamin-A and iron (two items each for lunch/dinner/snacks) (10 marks)

UNIT II FOOD PREPARATION FOR ENHANCING NUTRITIVE VALUE:
(A) cereal milk combination (5 marks)
(B) cereal, milk and vegetable combination (5 marks)
(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 (5 marks)

QUESTION PATTERN AND DISTRIBUTION OF MARKS
HOME SCIENCE (PRACTICAL)
+2, 1st Year Arts (For college level Exam.)

Full Mark: 30  Time: 3 Hrs.

1. Experiment - 25 Marks
2. Record - 5 Marks
HOME SCIENCE (THEORY)
+2 2nd year Arts
(Detailed syllabus)

No. of periods: Yearly-80

UNIT-I (25 periods)

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

(B) ADOLESCENT DEVELOPMENT: (10 marks)
a) Meaning, changes and problems (physical and emotional)
b) Role of parents in solving adolescents' problems

UNIT-II (25 periods)

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

(A) TEXTILES: (10 marks)
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, wool 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: (10 marks)
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: (10 marks)
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

BOOKS RECOMMENDED:
Ucha madhyamika Gruha bigyana, published by Odisha State Bureau of Test Book Preparation and Production, Bhubaneswar
HOME SCIENCE (THEORY)
+2, 2nd year Arts (For H.S Exam. - 2015)

Full marks: 70
Time: 3 hrs

Group- A: Objective type (compulsory)

Q. No. 1. Multiple choice (Fill up the blanks from all units): 1 Mark X 10 = 10 Marks

Q. No. 2. Statements "True" or "False": 1 Mark X 10 = 10 Marks

Group- B: (Short Answer type)

Q. No. 3. (Answer within two/three sentence, 10 out of 12 bits): 2 Marks X 10 = 20 Marks

Q. No. 4. (Answer within six sentences, 3 out of 5 bits): 3 marks X 3 = 09 Marks

Group- C: (Long answer type)

Q. No. 5 to Q No. 9
(Out of five questions from all units one has to answer three questions): 7 marks X 3 = 21 Marks

HOME SCIENCE (PRACTICAL)
+2, 2nd Year Arts
(Detailed syllabus)

UNIT-I NEEDLE WORK: (10 marks)
- 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: (10 marks)
- a) Preparation of colour wheel (prang colour chart)
- b) Preparation of motifs using monochromatic, direct complementary and analogous colour schemes

UNIT-III CHILD CARE:
- Preparation of immunization chart (5 marks)
- Practical Record (5 marks)

QUESTION PATTERN AND DISTRIBUTION OF MARKS
HOMESCIENCE (PRACTICAL)
+ 2, 2nd Year Arts (For H.S Exam - 2015)

Full Mark: 30
Time: 3 Hrs.

1. Experiment - 25 Marks
2. Record - 5 Marks
No. of periods: yearly-80

Unit –I: Industrial Relations and Trade Unionism: - (20 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 : - (20 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 (20 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 : (20 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

Books recommended
1. Bureau’s Higher Secondary +2 Industrial Relations and Personnel Management Published by Odisha 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
QUESTION PATTERN AND DISTRIBUTION OF MARKS
INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT
+21st year Arts (For college level Exam.)

Full marks:100
Time:3hrs

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

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INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT
+2 2nd year Arts
(Detailed syllabus)

No. of periods:yearly-80

Unit-I – Personnel Management (20 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
(f) Personnel Management v/s Human Resource Management
(g) Objectives and Functions of Human Resource Management

Unit-II- Recruitment, Selection and Training (20 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: (20 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:
(20 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
1. Bureau’s Higher Secondary +2 Industrial Relations and Personnel Management Published by Odisha State Bureau of Textbook Preparation and production, Bhubaneswar.
2. Saydin 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.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
INDUSTRIAL RELATIONS AND PERSONNEL MANAGEMENT
+2, 2nd year Arts (For H.S Exam-2015)

Full marks: 100
Time: 3hrs

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
INDIAN MUSIC
ODISSI VOCAL (THEORY)
(Vocal and Instrumental- Applied and General)
+2 1st year Arts
(Detailed syllabus)

No. of periods: Yearly-30. Full marks: 40. Time: 2 hrs

Unit – I (6 periods)
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 (6 periods)
   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 (6 periods)
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) Prabadha,

Unit – IV (6 periods)
   (a) Swara sruti Bibhajana
   (b) Comparative study.
      (i) Swara- Sruti
      (ii) Mela- Raga.
      (ii) Purbaraga- Utterraga.

Unit – V (6 periods)
Biography of the following
   (i) Jayadev
   (ii) Singhari Shyamsundar Kar
   (iii) Pandit Nrusingha Nath Khuntia.

BOOKS PRESCRIBED:
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.
**VOCAL AND INSTRUMENTAL-IMOV**

*PRACTICAL*

+2 1st year Arts

*(Detailed syllabus)*

No. of periods: Yearly-60. Full maks:60. Time: 40 minutes

**Unit – I (12 periods)**
1. Each Candidate will have to select one Raga of this course as his/her choice.

**Unit – II (12 periods)**
2. Each Candidate will have to sing one Bhajan and Janana.

  light classical song, one patriotic, one folk song.

**Unit – III (12 periods)**
3. Candidates to sing one chhanda, one champu, one Geeta Govinda.

**Unit - IV (12 periods)**
4. Test of Talas (Eka Guna- Dui Guna)

**Unit – V (12 periods)**
5. Identification of Swaras and Ragas asked by the Examiner.

**BOOKS PRESCRIBED:**

*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)
8. Champu Sworalipi- Sangeet Natak Academy/Odissi Research Centre.
ODISSI VOCAL
APPLIED AND GENERAL (THEORY)
+2, 2nd year Arts
(Detailed syllabus)

No. of periods:yearly-30. Full marks:40. Time:2hrs

Unit – I (6 periods)

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 (6 periods)

a) Study of Notation System

b) Knowledge of writing Layakaries (Eka-Dui-Chariguna)

Unit - III

(6periods)

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(6 periods)

Definition and comparative study :

a) Odissi, Chhanda, Champu, Janana, Bhajana, Choutisha,

b) Structural description and Tuning system of Mardal.

Unit - V (6periods)

(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.

BOOKS PRESCRIBED:
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.

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No. of periods: yearly: 60. Full marks: 60. Time: 2 hrs

Unit – I (12 periods)
Each candidate will have to select one Raga of this course as his/her choice.

Unit - II (12 periods)
Each candidate will have to sing one Bhajan and one Janana, one light classical song, one, patriotic, one folk song.

Unit – III (12 periods)
Candidate to sing one chhanda, or one champu, or one Geeta Govinda

Unit - IV (12 periods)
Test of Talas with Layakari (Eka-Dui-Chouguna Kriya)

Unit – V (12 periods)
Identification of Sworas and Ragas asked by the Examiner

BOOKS PRESCRIBED:

Practical - Indian Music. Odissi Vocal
1. Laxkhyaana 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.
8. Champu Sworalipi- Sangeet Natak Academy/Odissi Research Centre.
HINDUSTANI VOCAL MUSIC
Applied and General (THEORY)
+2, 1st year Arts
(Detailed syllabus)

No. of periods: 30. Full marks: 40. Time: 2hrs

Unit – I (6 periods)
Characteristic features (Sastiya Parichaya) of all the Raagas and Taalas of this year course. Such as :-
(f) Ragas: -Bhupali, Kafi, Khamaj, Alheiyabilawal, Vrindabenisarang, Desh, Kalyan, Asabari, Bageshree, Durga, Bhimpalasi and Bhairaba.
(g) Taalas: Tritaal, Jhamptal, Ektal, Chautal, Rupak, Dadra and Kaharwa

Unit – II (6 periods)
Preliminary Knowledge of writing notation of all the compositions of the prescribed ragas and talas of this year.

Unit – III (6 periods)
Definition of the followings:
Dhwani, Naada, Swara, Sruti, Saptaka, Sangeeta, Raaga, Graha, Ansa, Nyasa, Apanyasa, Vinyasa, Vadi, Samavadi, Anuvadi, Vibadi, Thaat and it’s Verities, Vama, Puranga, Utaranga, Alankar, Alaap, Taan, Boltaan, Bolbant, Dhrupad, Khayal, Sargamtaan, Laxyangeet and Bhajan.

Unit – IV (6 periods)
Comparative study of the following:
Raga - That Swara-Srut, Tala-Laya, Alaap-tan, Bolta-Bolbant.

Unit – V (6 periods)
Life Sketches:
(f) Pt. V. N. Bhatkhande.
(g) Pt. V.D. Paluskar
h) Tansen

HINDUSTANI VOCAL MUSIC (IHMV)
(PRACTICAL)
+2 1ST YEAR ARTS
(Detailed syllabus)

No. of periods: Yearly - 60. Full marks: 60. Time: 40 minutes

Unit – I (12 periods)
Candidates will be taught at least one Chhota Khayal with simple Alaap and Tan in each of the following prescribed Raagas:
Bhupali, Kafi, Khamaj, Vrindabani-Sarang, Desh, Durga, Alheiy-Bilawal, Bageshree Bhimpalasi, Kalyan, Asabari and Bhairaba.

Unit – II (12 periods)
Candidates will be taught the knowledge of Layakeries (2 guan and 4 guan) in the following Taalas - Tritaal, Jhamptal, Ektal, Chautal, Dadra and Kaharwa.

Unit – III (12 periods)
Candidates will be taught one Dhrupad based on any prescribed raag with Dugun and chaugun layakaries.

Unit – IV (12 periods)
Identification of Raagas, Taalas and Swaras which will be asked by the examiner.

Unit – V (12 periods)
Candidates will be taught one Light classical composition (Bhajan)
BOOKS PRESCRIBED: (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 Ralithas - By Dr. Damodar Hota.
4. Raaga Sangeeta (Part-I, II, III) - by Dr. M.C. Senapati
5. Sangeet Visharad - By Vasant, Hatharas, U.P.
7. Sangeetanjali (Part-I, II, III) - By P. Omkarnath Thakur. Hatharas, U.P.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
HINDUSTANI VOCAL MUSIC (PRACTICAL)
+2, 1st year Arts (For College level Exam)

Full marks: 60                                                   Time: 40 minutes

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 Talas with layakaries which carries. 05 minutes
5. Identification of Swara, Raga and Tala which carries. 05 minutes
6. Each candidate will have to demonstrate one light classical composition which carries. 05 minutes.
HINDUSTANI VOCAL MUSIC
APPLIED AND GENERAL (THEOTY)
+2 2nd year Arts
(Detailed syllabus)

No. of periods: 30. Full marks: 40. Time: 2hrs

Unit – I (6 periods)
Characteristic features (Sastriya Parichaya) of all the Raagas and Taalas prescribed for this year course Such as :-
(f) Bihag, Patdeep, Kedar, Hameer, Tilakkamod, Sankara, Malkauns and Bhairavi,
(g) Talas : Dharmar, Jhumura, Tilwara and Vilambit Ektal.

Unit – II (6 periods)
Study of the following :-
(f) Brief History of Indian Music.
(g) Physical description and tuning systems of Taanpura.

Unit - III (6 periods)
Definitions :-
Gamak, Meend, Kaku, Jaati and its verities., Alpatwa, Bahutwa, Gayaki, Nayaki, Janakthaat, Janyaraag, Asrayaraag, Thaat and its verities.

Unit IV (6 periods)
Essays :-
(a) Necessity of Music.
(b) Role of Taala and Laya in Music.
(c) A classical Music Evening.

Unit – V (6 periods)
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).

HINDUSTANI VOCAL MUSIC (IMVH)
(PRACTICAL)
+2 2nd year Arts
(Detailed syllabus)

No. of periods: Yearly - 60. Full marks: 60. Time: 40 minutes

Unit – I (12 periods)
Candidate will be taught at least one chhota-Khayal in each of the following ragas:
Bihag, Pattadeep, Kedar, Hameer, Sankera, Malkouns, Tilak Kamod and Bhairabi.

Unit – II (12 periods)
Candidates will be taught at least 2 Badakhayal in any of the prescribed raagas with Alaap, Boitaan and Taan.

Unit – III (12 periods)
Candidates will be taught one Dhrupad based on any Raga of this year with layakaries : (2 gun, 3 gun and chaugun 4 gun)

Unit – IV (12 periods)
Candidates will be taught the following taalas with layakeries
(2 gun, 3 gun and Chaugun 4 gun)
(a) Jhumura (b) Dhamar (c) Tilwara and (d) Vilambit Ektal.
Unit – V(12 periods)
(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.

BOOKS PRESCRIBED: (HINDUSTANI VOCAL MUSIC).
5. Hindustani Sangeet Lahari (Part-I, II, III) - By Dr. Damodar Hota.
6. Sangeeta Shastra - By Dr. Damodar Hota)
7. Bharatiya Sangeetara Ralthis - By Dr. Damodar Hota.
8. Raaga Sangeeta (Part-I, II, III) - by Dr. M.C. Senapati
12. Sangeet Visharad - By Vasant, Hatharas, U.P.
17. Bhatkhande Sangeeti Shastre, (Part-I, II) - By V.N. Bhatkhande Hatharas, U.P.

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
HINDUSTANI VOCAL MUSIC (PRACTICAL)
+2, 2nd year Arts (For H.S Exam-2015)

Full marks: 60
Time: 40 minutes

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 Talas with layakaries which carries. 05 Minutes.
5. Identification of Swara, Raga and Tala which carries. 05 Minutes.
6. Each candidate will have to demonstrate one light classical composition which carries. 05 Minutes.

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INDIAN MUSIC (TABLA)-IMP
(APPLIED AND GENERAL THEORY)
+2 1st year Arts
(Detailed syllabus)

No. of periods:30. Full marks:40. Time:2hrs

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.

Unit – V(5 periods)
Definition of various musical terms :-
Abanadha, Tal, Theka, Matro, Bivag, Som, Khali, Bole, Chhanda and Jati.

INDIAN MUSIC (TABLA)-IMP
(PRACTICAL)
+2 1st year Arts
(Detailed syllabus)

No. of periods:Yearly-60. Full marks:60. Time: 40 minutes

Unit-I(12periods)
(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 layakaries.

Unit – II(15 periods)
(a) Characteristic features of all the prescribed taalas.
(b) Candidates will be taught Druitt Thekas of Trital, Jhamptal, Rupak, Kaharawa, Jhumura, Ektal, Tilwada, Teora, Dadra and Dhumali.
Unit – III (15 periods)
Candidates will be taught at least 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.

QUESTION PATTERN AND DISTRIBUTION OF MARKS
INDIAN MUSIC (TABLA)-IMP
PRACTICAL
+2, 1st year Arts (For college level Exam.)

Ful marks: 60
Time - 40 minutes

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.

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INDIAN MUSIC (TABLA)-IMP
(Applied and General theory)
+2, 2nd year Arts
(Detailed syllabus)

No. of periods: 30. Full marks: 40. Time: 2hrs

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
   Dipchandi : Jhumura
   Rupak : Teora
   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
   (iv) Nab kumar Panda
   (ii) Kanthe Maharaj
   (v) Sampta prasad Mishra
   (iii) Khetramohan Kar

   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.
INDIAN MUSIC (TABLA)-IMP
(PRACTICAL)
+2, 2nd year Arts
(Detailed syllabus)

No. of periods: Yearly-60. Full marks: 60. Time: 40 minutes

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 at least one simple Rela set to Trital, Jhamptal and Rupak tal each.

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 & Dadratal.
(b) Candidates will be taught to play the Drutt thekas of Ektal, Jhumratal, 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.

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INFORMATION TECHNOLOGY (THEORY)
+ 2, 1st Year Arts
(Detailed syllabus)

No. of Periods: Yearly-80

UNIT- I 28 Periods

a. Overview of Information Technology : 8 Periods
   Introduction 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: 10 Periods
   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: 12 Periods
   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 Topology, Network Types _____ LAN, MAN & WAN 56kbps Modem, Cable Modem & DSL Modem, Client Server Concept.

UNIT-II 24 Periods

a. SOFTWARE: 12 Periods

b. Multimedia: 8 Periods

UNIT-III : 28 Periods

Programming in C:

Books Prescribed : Bureau’s Higher Secondary (+2) Information Technology, Part-I, Published by Odisha State Bureau of Text Book Preparation & Production, Bhubaneswar

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
INFORMATION TECHNOLOGY (THEORY)
+ 2, 1st Year Arts (For College Level Exa)

Full Mark : 70  Time : 3 Hrs.

**Group-A (Objective Type)**

Q. 1 Compulsory :  
10 × 1 = 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.

Q. 2 Compulsory :  
10 × 1 = 10 marks
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

**Group-B (Short Answer Type)**

Q. 3 Short Answer Type Questions with alternatives :  
5 × 2 = 10 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)

Q. 4 Short Answer Type Questions with alternatives :  
3 × 3 = 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

**Group-C (Long Answer Type)**

Q. 5 to Q. 7 :  
7 × 3 = 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.

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INFORMATION TECHNOLOGY (PRACTICAL)
+ 2, 1st Year Arts
(Detailed syllabus)

1. Use of DOS commands (Internal and external)
2. Working with Windows
3. Use of MS OFFICE
4. Development of C-programming as per Unit-III

**Books Prescribed :**
Bureau’s Higher Secondary (+2) Information Technology, Practical, Published by Odisha State Bureau of Text Book Preparation & Production

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
INFORMATION TECHNOLOGY (PRACTICAL)
+ 2, 1st Year Arts (For College Level Exam)

Full Mark : 30  Time : 3 Hrs.

1. Experiment - 20 Marks
   (Gr. A: Use of DOS/ MS OFFICE, working with windows-10 marks)
   (Gr. B Development of C- programming)
2. Viva-voce - 5 Marks
3. Record - 5 Marks
INFORMATION TECHNOLOGY (THEORY)
+ 2, 2nd Year Arts
(Detailed syllabus)

No. of Periods: Yearly-80
UNIT-I :
(B) Introduction to Internet :
Internet Backbones & Its Features, Internet Access Dial-Up Connection, Direct 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 Downloading & Uploading, Chatting, Internet Relay Chat(IR), E-mail & its features, Mailing Lists & Newsgroups, Internet Telephony System.

UNIT-II :
30 Periods
a) Introduction to Database Management System :

b) Network Security On Internet :
Threats & Prevention From Viruses, Worms Trojan Horse, Spams, Use of Cookies, Protection Using Firewall, Proxy Server, Concept of Public Keys & Private Key, Use of Digital signature, VPN.

c) Cyber Crime:

UNIT- III
30 Periods
a) Introduction to Visual Basic & Development Environment:
Object-oriented programming feature, Visual Basic and the integrated development environment, VB programming process, project Explorer, form 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.

Books Prescribed :
Bureau's Higher Secondary (+2) Information Technology, Part-II, Published by Odisha State Bureau of Text Book Preparation & Production

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
INFORMATION TECHNOLOGY (THEORY)
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Mark : 70
Time : 3 Hrs.

Group-A (Objective Type)
Q. 1 Compulsory : 1×10 = 10 marks
Ten multiple choice answer type questions, each carrying one mark, covering all units.
Q. 2 Compulsory : 1×10 = 10 marks
Ten one word answer / very short answer / correct sentences / fill in the blank type questions, each carrying one mark, covering all units.

Group-B (Short Answer Type)
Q. 3 Short Answer Type Questions with alternatives : 2×10 = 20 marks
Twelve short answer type questions, each carrying two marks, covering all units, out of which ten are to be answered. (Some of the questions should be of reasoning type, answers of which are to be written in two or three sentences)
Q. 4 Short Answer Type Questions with alternatives : 3×3 = 9 marks
Five short answer type questions (answers of which will be within six sentences), each carrying three mark, covering all units, out of which three are to be.

Group-C (Long Answer Type Questions with alternatives):
Q.5 to Q.7 : 7×3 = 21 marks
Six long answer type questions, each carrying seven mark, covering all units, out of which three are to be answered unit wise.

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INFORMATION TECHNOLOGY (PRACTICAL)
+ 2, 2nd Year Arts
(Detailed Syllabus)

1. Working with Internet
2. Using front page express for web page designing
3. Use of MS- Access (creation, insertion, deletion, & updation of data file forms, query and report
4. Simple applications using VB as per Unit-III of theory

Books Prescribed :
Bureau’s Higher Secondary (+2) Information Technology, Practical, Published by Odisha State Bureau of Text Book Preparation & Production

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QUESTION PATTERN AND DISTRIBUTION OF MARKS
INFORMATION TECHNOLOGY (PRACTICAL)
+ 2, 2nd Year Arts (For H.S. Exam - 2015)

Full Mark : 30
Time : 3 Hrs.

1. Experiment - 20 Marks
   (Gr.A : Working with internet/Web designing/ MS-Access -10 marks)
   (Gr. B : Application of VB -10 marks)
2. Viva-voce - 5 Marks
3. Record - 5 Marks

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