

CHSE (O), Bhubaneswar

VOCATIONAL COURSES

2016-2018

**For +2 1st Year Students of
(2016 Admission Batch)
of Vocational Colleges**

Part - I : (Agriculture and Engineering)

Part - II : (Business and Commerce)

**Part - III : (Humanities, Home Science, Visual Art
and Performing Art)**

Scheme of Studies

CHSE, ODISHA
VOCATIONAL COURSES, 2016-2018

PART – III

Humanities, Home Science, Visual Arts & Performing Art
Scheme of Studies

A. Common Compulsory Subjects

1. English
MIL (Alternative English / Bengali / Hindi / Odia / Sanskrit / Telugu / Urdu)
2. Environment Education, Basic Computer Education, Yoga)

B. Basic Foundation Course (BFC)

Economics, History, Political Science

C. Part III

Trade Subjects

- (a) Humanities
 - (i) Textile Designing
 - (ii) Tourism and Travel Management
- (b) Home Science
 - (i) Crech and Pre-School Management
 - (ii) Catering and Restaurant Management
 - (iii) Para Medical Health Care
 - (iv) Microbiology and Serology
- (c) Visual Art
 - (i) Painting
 - (ii) Graphic Art
 - (iii) Applied Art
 - (iv) Modelling and Sculpture
 - (v) Traditional Art and Craft
- (d) Performing Arts
 - (i) Chhow Dance
 - (ii) Drama
 - (iii) Flute / Violin / Setar (FLUIS)
 - (iv) Hindustani Vocal
 - (v) Odissi Vocal
 - (vi) Odissi Dance
 - (vii) Odissi Pakhwaj (Mardal)
 - (viii) Tabla

D. Pattern of Course, Marks Distribution

	Compulsory	1st Year			2nd Year	
1.	English	50 Marks			50 Marks	
2.	MIL	50 Marks			50 Marks	
3.	BFC – 300 Marks (any three subjects from the list) (If the subject has no practical Element, the total marks is 100)	BFC-I	Theory	70		70
			Practical	30		30
		BFC-II	Theory	70		70
			Practical	30		30
		BFC-III	Theory	70		70
			Practical	30		30
4.	Trade Subject – 200 Marks (Any One subjects from the list)	Trade Paper I	Theory	40	Trade Paper III Theory	40
			Practical	60	Practical	60
		Trade Paper II	Theory	40	Trade Paper IV Theory	40
			Practical	60	Practical	60
			Total	600		600

E. (i) Duration of the Examination & Periods required :

	Marks	Duration
Theory	100 marks	3.00 Hrs
	70 Marks	3.00 Hrs
	60 Marks	3.00 Hrs
	50 Marks	2.30 Hrs
	40 Marks	2.00 Hrs
Practical	60 Marks	3.00 Hrs
	30 Marks	3.00 Hrs

(ii) **Periods required** for 100 marks 180 Periods **minimum** in a Session

ATTENTION PLEASE :

Suggestions in the context of above stated course –structure are invited from all concerned. Views, if any may be communicated to the Secretary, CHSE (O), Chandrasekharpur, Bhubaneswar-13 within 15th December 2016 by Post only.

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COMPULSORY ENGLISH
(For +2 Vocational Course in Arts, Science & Commerce)
(2016 ADMISSION BATCH)

Full Mark : 50

First Year

Unit-I : Prose **(10 Marks)**

- | | | |
|------|----------------------------|------------------------|
| i. | Standing Up for Yourself | Yevgeny Yevtushenko |
| ii. | The Legend behind a Legend | Hariharan Balakrishnan |
| iii. | The Golden Touch | Nathaniel Hawthorne |

Unit-II : Poetry **(10 Marks)**

- | | | |
|------|--------------------------------------|--------------------|
| i. | Stopping by Woods on a Snowy Evening | Robert Frost |
| ii. | The Inchcape Rock | Robert Southey |
| iii. | Fishing | Gopa Ranjan Mishra |

Unit-III : (A) Writing Skills **(10 Marks)**

- i. Writing a Paragraph
- ii. Developing Ideas into Paragraphs

(B) Writing Personal Letters and Notes **(10 Marks)**

- i. Writing Applications, Official Letters and Business letters
- ii. Writing Telegrams, E-mails, Personal Advertisements, and Short Notices
- iii. Using Graphics

(C) GRAMMAR **(10 Marks)**

- i. Countable and Uncountable Nouns
- ii. Tense Patterns
- iii. Modal Verbs
- iv. Prepositions
- v. The Imperatives

Book Prescribed : Invitation to English - 1, 2, 3 & 4, Published by Odisha State Bureau of Text Book Preparation and Production, Bhubaneswar.

ENGLISH
SECOND YEAR

Full Marks : 50

Unit-I : Prose

(10 Marks)

- i. My Greatest Olympic Prize by Jesse Owens
- ii. On Examinations by Winston S. Churchill
- iii. The Portrait of a Lady by Khushwant Singh

Unit -II : Poetry

(10 Marks)

- i. Daffodils by William Wordsworth
- ii. The Ballad of Father Gilligan by William Butler Yeats
- iii. A Psalm of Life by Henry W. Longfellow

Unit -III :

A. Writing Skills

- i. Information Transfer **(05 Marks)**
- ii. Dictionary Skill **(05 Marks)**

B. Essay **(10 Marks)**

C. Grammar **(10 Marks)**

**Book Prescribed : Invitation to English - 1, 2, 3 & 4 , Published by Odisha State
Bureau of Text Book Preparation and Production, Bhubaneswar.**

ALTERNATIVE ENGLISH

Introduction :

The course is meant for the students

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

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

Objectives :

By the end of the course a student should be able to

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

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

Reading (Non-fictional prose) :

- (a) To make predictions and guesses while reading a prose text
- (b) To understand relations between the parts of a reading text and recognize the indicators in discourse.
- (c) To understand the writer's intention/attitude, to discriminate between facts and opinions, to recognize the writer's bias, if any, and to assess the communicative value of a given text.
- To identify the structure of a text, such as descriptive sequence, chronological sequence, cause-and-effect chain, argumentative and logical organization, etc.
- To compare and contrast two texts on similar themes

- To use reference skills to select a suitable text for reading.
- To use the title, blurb, contents and index of a book in order to form an overall idea of what the book is about and of whether it will be relevant reading with reference to a particular topic.

Reading (Poetry) :

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

Writing :

The students will be able

- (a) To design and write a brochure or pamphlet.
- (b) To write the dialogues of a face-to-face/telephonic conversation.

Creative Writing :

The students are expected to develop in them the ability

- (a) To add a suitable beginning/ending/title to a given poem/story
- (b) To reconstruct a story from a given set of questions/fillers/outlines.

Grammar and Usage :

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

- (i) Tense and Aspect
- (ii) Modals
- (iii) The Passive
- (iv) Prepositions
- (v) Phrasal Verbs
- (vi) Clause-types
- (vii) Word Order and Emphasis

Instructional Materials :

- (a) Approaches to English, Book-I
- (b) Approaches to English, Book-II

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

FIRST YEAR
APPROACHES TO ENGLISH, BOOK-I
Prose

Marks : 50

Units to be studied :

- The Adventure of Learning
- Men and Women
- Modern Living

APPROACHES TO ENGLISH, BOOK -II
Poetry

Units to be studied :

- (i) Ecology (A.K. Ramanujan)
- (ii) Dog's Death (John Updike)
- (iii) Ballad of the Landlord (Langston Hughes)

GRAMMAR & USAGE

- (i) Tense and Aspect
- (ii) Modals
- (iii) The passive
- (iv) Prepositions and Phrasal Verbs

**APPROACHES TO ENGLISH, BOOK-I
SECOND YEAR**

Marks : 50

A. APPROACHES TO ENGLISH, BOOK-I (Prose)

Units to be studied

The Wonder World of Science

Our Environment

The Changing World

B. APPROACHES TO ENGLISH, BOOK-II (Poetry)

Units to be studied :

- Indian Children Speak (Juanita Bell)
- Of a Questionable Conviction (Jayanta Mahapatra)
- Mirror (Sylvia Plath)

GRAMMAR & USAGE

- (i) Revision of 'Tense and Aspect'
- (ii) Revision of Prepositions and Phrasal Verbs
- (iii) Clause-types

Word Order and Emphasis

Scheme of Evaluation & Distribution of Marks

There will be a college examination in Alternative English at the end of the First Year. This will be Alternative English Paper -I carrying 50 marks. The final examination to be conducted by CHSE at the end of the second year of the course will consist of one written paper of Alternative English carrying 50 marks. The paper

shall test the student's proficiency in English with respect to correctness, appropriacy, tone and style.

First Year

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

Reading Comprehension :

- (a) A prescribed prose piece or extract
(5 questions, each question carrying 2 marks - including inferential questions-are to be answered) 2x5=10
- (b) A prescribed poem/extract (5 questions, each question carrying 2 marks, including inferential questions and those on poetic devices, figures of speech, mood, tone and style etc.) 2x5=10

Writing skills

- (a) Reconstruct a story from a given set of questions/fillers/outlines or completion of a story. 10 marks.
- (b) Essay writing (including brainstorming, organizing, outlining, writing first draft and revising) 10 marks.

Grammar and usage (in context) Correcting 10 grammatical errors from a given passage. 1x10=10

Second Year

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

Reading Comprehension.

- (a) A prescribed prose piece or extract
(5 questions, each question carrying 2 marks, including inferential questions are to be answered). 2x5=10

- (b) A prescribed poem / extract (5 questions, each question carrying 2 marks, including inferential questions and those on poetic devices, figures of speech, mode, tone and style etc.) 2x5=10

Writing skills.

- (a) Designing and writing a brochure / pamphlet. 10 marks.
- (b) Writing dialogues of a face-to-face / telephonic conversation. 10 marks.

Grammar and usage (in context) Correcting 10 grammatical errors from a given passage. 1x10=10 marks.

**M.I.L. (BENGALI)
First Year**

50 MARKS

UNIT – I

PROSE

(20 Marks)

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

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

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

UNIT – II

POETRY

(20 Marks)

Madhukari - Kalidas Ray

(Published by Orient Book Company, Kolkata -12)

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

1. Srigoura Chandra - Gobinda das kabiraj.
2. Bhabollas – Vidyapati
3. Premer Tulana - Durija Chandidas

UNIT - III

Grammar & Essay

(10 Marks)

A. Proverbs

B. Letter

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

F.M. - 50

UNIT - I

Prose

(20 Marks)

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

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

The following pieces are to be studied in the Second year

1. Bangia Bhasa - Haraprasad Sastri
2. Tota Kahini - Rabindranath Tagore
3. Naisha Avijaa - Sarat Ch. Chattopadhyay

UNIT – II

Poetry

(20 Marks)

Madhukari - Kalidas Ray

(Published by Orient Book Company, Kolkata -12)

Pieces to be Studied:

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

UNIT - III

Essay

(10 Marks)

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

Full Mark : 50

Distribution of Marks

Unit – I : Prose : 20 Marks

Unit – II : Poetry: 20 Marks

Unit – III : Karyalayeee Hindi Aur Rachanatmak lekhan – 10 Marks

Unit – I (Prose) :

1. Eleven Objective type questions (Multiple choice and single word / sentence answer) : 1 x 11 = 11
2. Two Short answer questions for the answer in two/three sentences : 2 x 2 = 4
3. One long answer type question within 150 words : 5 x 1 = 5

Unit – II (Poetry) :

1. Eleven Objective type questions (Multiple choice and single word / sentence answer) : 1 x 11 = 11
2. Two Short answer questions for the answer in two/three sentences : 2 x 2 = 4
3. One long answer type question within 150 words : 5 x 1 = 5

Unit – III (Grammar) :

1. Five 1 mark questions from the Grammar portions : 1 x 5 = 5
2. One comprehension (prose-unseen passage carries five single mark questions) OR One Essay : 1 x 5 = 5

M.I.L. (Hindi)
SECOND YEAR

Full Mark : 50

Distribution of Marks

Unit – I	:	Prose :	20 Marks
Unit – II	:	Poetry:	20 Marks
Unit – III	:	Karyalayeee Hindi Aur Grammar –	10 Marks

Unit – I (Prose) :

1. Eleven Objective type questions (Multiple choice and single word / sentence answer) : 1 x 11 = 11
2. Two Short answer questions for the answer in two/three sentences : 2 x 2 = 4
3. One long answer type question within 150 words : 5 x 1 = 5

Unit – II (Poetry) :

1. Eleven Objective type questions (Both Multiple choice and single word / sentence answer) : 1 x 11 = 11
2. Two Short answer questions for the answer in two/three sentences : 2 x 2 = 4
3. One long answer type question within 150 words : 5 x 1 = 5

Unit – III (Grammar) :

1. Five 1 mark questions from Grammar : 1 x 5 = 5
2. One unseen comprehension carries five single mark questions OR One Letter Writing : 1 x 5 = 5

M.I.L. (Hindi)
FIRST YEAR

Full Mark : 50

Unit- I : गद्य भाग

(20 marks)

1. प्रेमचंद - जीयन मे साहित्य का स्थान
2. दिनकर – ईर्ष्या, तू न गई मेरे मन से
3. रामविलास शर्मा - अतिथि

Unit- II : काव्य भाग

(20 marks)

1. कबीरदास - दोहे
2. सूरदास - बाल लीला
3. बिहारी - दोहे
4. सुमित्रानंदन पंत - भारतमाता
5. अक्षय - हीरोशिमा

Unit – III : कार्यालयी हिन्दी और रचनात्मक लेखन

(10 marks)

१. व्याकरण – (क) क्रिया (ख) काल
२. अपठित गद्यांश OR निबंध लेखन

पुस्तक : अमृत भारती, भाग – I

Published by Odisha State Bureau of Textbook Preparation and Production (Within
150 words)

M.I.L (HINDI) - II
Second Year

Full Marks - 50

Unit- I : गद्य भाग

(20 marks)

१. बालकृष्ण भट्ट - आत्मानिर्भरता
२. रामचन्द्र सुवल - उत्साह
३. शरह जोशी - टुम जाओगे, अतिथि

Unit- II : काव्य भाग

(20 marks)

1. रहीम - दोहे
2. मैथिलीशरण गुप्त - नर हो, न निष्ण करो मन को
3. निराला - वीणा वादिनी वट हे, बादल एग
4. बच्चन - अग्निपथ
5. मुक्ति बोध - पूँजीवादी समाज के प्रति

Unit - III : कार्यालयी हिन्दी, व्याकरण और पत्र लेखन

(10 marks)

1. व्याकरण (क) लिंग (ख) वचन
2. अपठित गद्यांश OR पत्र लेखन

पुस्तक : अमृत भारती, भाग - २

Published by Odisha State Bureau of Textbook Preparation and Production (within 150 words)

MIL (O)
ଆଧୁନିକ ଭାରତୀୟ ଭାଷା ଓଡ଼ିଆ
ପ୍ରଥମ ବର୍ଷ (୧ମ ଭାଗ)

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା – ୫୦

ପ୍ରଥମ ଏକକ – ଗଦ୍ୟ

୨୦ ନମ୍ବର

୧. ଝେଲମ୍ ନଦୀରେ ସଂଧ୍ୟା – କୁଞ୍ଜବିହାରୀ ଦାଶ
୨. ମଧୁବାବୁ – ଚିନ୍ତାମଣି ଆଚାର୍ଯ୍ୟ
୩. ଗାଁ ମଜଲିସ୍ – ହରେକୃଷ୍ଣ ମହତାବ

ଦ୍ୱିତୀୟ ଏକକ – ପଦ୍ୟ

୨୦ ନମ୍ବର

୧. ସାହାଡ଼ା ବୃକ୍ଷ – ସାରଳା ଦାସ
୨. ଶାପ ମୋଚନ – ଜଗନ୍ନାଥ ଦାସ
୩. ହିମକାଳ – ଦୀନକୃଷ୍ଣ ଦାସ

ତୃତୀୟ ଏକକ ପ୍ରବନ୍ଧ ଓ ବ୍ୟାକରଣ

୧୦ ନମ୍ବର

ପାଠ୍ୟଗ୍ରନ୍ଥ – ସାହିତ୍ୟ ଜ୍ୟୋତି, ପ୍ରଥମ ଭାଗ

ଓଡ଼ିଶା ରାଜ୍ୟ ପାଠ୍ୟ ପୁସ୍ତକ ପ୍ରଣୟନ ଓ ପ୍ରକାଶନ ସଂସ୍ଥା, ଭୁବନେଶ୍ୱର

MIL (O)

ଆଧୁନିକ ଭାରତୀୟ ଭାଷା ଓଡ଼ିଆ

ଦ୍ଵିତୀୟ ବର୍ଷ (୨ୟ ଭାଗ)

ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା – ୫୦

ପ୍ରଥମ ଏକକ – ଗଦ୍ୟ

୨୦ ନମ୍ବର

୧. ସ୍ଵାଧୀନ ଦେଶର ଶିକ୍ଷା ଚିନ୍ତା – ଗୋଲୋକ ବିହାରୀ ଧଳ
୨. ପୁଷ୍ପପୁରରେ ବର୍ଷାବରଣ – କୃଷ୍ଣଚନ୍ଦ୍ର ପାଣିଗ୍ରାହୀ
୩. ତିନି ତୁଣ୍ଡରେ – ଭୁବନେଶ୍ଵର ବେହେରା

ଦ୍ଵିତୀୟ ଏକକ - ପଦ୍ୟ

୨୦ ନମ୍ବର

୧. ବଡ଼ପଣ – ରାଧାନାଥ ରାୟ
୨. ତପସ୍ଵିନୀର ପତ୍ର – ଗଙ୍ଗାଧର ମେହେର
୩. ବନ୍ଦୀର ବିରହ ବ୍ୟଥା – ଗୋପବନ୍ଧୁ ଦାସ

ତୃତୀୟ ଏକକ ପ୍ରବନ୍ଧ ଓ ବ୍ୟାକରଣ

୧୦ ନମ୍ବର

ପାଠ୍ୟଗ୍ରନ୍ଥ – ସାହିତ୍ୟ ଜ୍ୟୋତି, ପ୍ରଥମ ଭାଗ

ଓଡ଼ିଶା ରାଜ୍ୟ ପାଠ୍ୟ ପୁସ୍ତକ ପ୍ରଣୟନ ଓ ପ୍ରକାଶନ ସଂସ୍ଥା, ଭୁବନେଶ୍ଵର

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

Full Marks 50

Time : 2 Hrs.

Distribution of Marks

Unit – I	:	Prose	:	20 Marks
Unit-II	:	Poetry	:	20 Marks
Unit – III	:	Grammar	:	10 Marks

Unit - I

1.	Multiple choice questions from Prose	:	1 x 10 = 10
2.	Short Questions from Prose	:	2 x 3 = 6
3.	Translation from Prose Text to Odia / English	:	2 x 2 = 4

Unit - II

1.	Multiple choice questions from Poetry	:	1 x 10 = 10
2.	Short Questions from Poetry	:	2 x 3 = 6
3.	Translation of Verse to Odia / English	:	2 x 2 = 4

Unit - III

1.	Stripratyaya	:	1 x 2 = 2
2.	Sandhivichheda	:	1 x 2 = 2
3.	Prakrutipratyaya	:	1 x 2 = 2
4.	Samasa	:	1 x 2 = 2
5.	Ekapadikarana	:	1 x 2 = 2

OR

Application / Letter Writing	10 Marks
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OR

Comprehension one Passage from Text (1 – 8)	(2 x 5 = 10)
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M.I.L (SANSKRIT)
SECOND YEAR

Full Marks 50

Unit – I	:	Prose	:	20 Marks
Unit-II	:	Poetry	:	20 Marks
Unit – III	:	Grammar	:	10 Marks

Unit - I

1.	Multiple choice questions from Prose	:	1 x 10 = 10
2.	Short Questions from Prose	:	2 x 3 = 6
3.	Translation from Prose Text to Odia / English	:	2 x 2 = 4

Unit - II

1.	Multiple choice questions from Poetry	:	1 x 10 = 10
2.	Short Questions from Poetry	:	2 x 3 = 6
3.	Translation of Verse to Odia / English	:	2 x 2 = 4

Unit - III

1.	Sabdarupa	:	1 x 2 = 2
2.	Dhaturupa	:	1 x 2 = 2
3.	Stripratyaya	:	1 x 2 = 2
4.	Samasa	:	1 x 2 = 2
5.	Karaka - Vibhakti	:	1 x 2 = 2

OR

Comprehension of one Passage from Text (9 – 16) 10 Marks

OR

Explanation of a Verse from Poetry Text 10 Marks

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

Prose

(20 Marks)

Sanskrutaprabha (Gadyabhagah)

संस्कृतप्रभा-गद्यभागः

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

- 1) मनुमत्स्याख्यानम् (Manumatsyakhyanam)
- 2) चतुरशृगालः (Chaturasrugalah)
- 3) जाबालः सत्यकामः (Jabalah Satyakamah)

UNIT – II

Poetry

(20 Marks)

Samskrataprabha (Podyabhagah) संस्कृतप्रभा (पद्यभागः)

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

- 1) सुभाषितावली (Subhasitavali)
- 2) वसन्तः (Vasantah)

UNIT – III

GRAMMAR

(10 Marks)

(a) Grammar from the Prose and Poetry

- 1) सन्धि - सन्धिविच्छेद Sandhi and Sandhi Viccheda
- 2) प्रकृतिप्रत्यय (Prakrti Pratyaya)

(b) Topics from the Grammar text

- 3) स्त्रीप्रत्यय Stripratyaya
- 4) समास Samasa
- 5) एकपदीकरण Formation of single word from Stripratyaya and Samasa

(c) Translation and Comprehension

- 1) Comprehension - Sanskrit Passage from the comprehension passages of संस्कृतप्रभा, Part - I

(d) Writing Skill

The art of writing - letters, Applications, Textual Explanation, Textual long questions.

Books Recommended

- 1) Sanskritaprabha, Part - I - संस्कृतप्रभा - प्रथमोभागः
Published by Odisha State Bureau of Textbook Preparation and Production.
- 2) Vyakarana - darpan – व्याकरण दर्पणः
Published by Odisha State Bureau of Textbook Preparation and Production.

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

Full Marks 50

UNIT – I

Prose

(20 Marks)

Prose - Sanskrutaprabha (Gadyabhagah)

संस्कृतप्रभा - गद्यभागः

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

- 1) कपोतलुब्धककथा (Kapotalubdhakakatha)
- 2) गुणिगुणहीनविवेकः (Gunigunahinavivekah)
- 3) रामतपोवनाभिगमनम् (Ramatapovanabhigamanam)

UNIT – II

Poetry

(20 Marks)

Poetry - Samskrutaprabha (Podyabhagah)

संस्कृतप्रभा (पद्यभागः)

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

- 1) दशावतारस्तुतिः (Dasavatarastutih)
- 2) गीतासवरभम् (Gitasourabham)

UNIT – III

(10 Marks)

GRAMMAR

(a) 1. कारकविभक्ति (Karak Vibhakti)

(b) **Topics from the Grammar text**

- 1) शब्दरूप Sabdarupa (नर, फल, लता, मुनि, मति, वारि, नदी, पितृ, मातृ, गच्छत्, मनस्, आत्मन्, तद्, किम्, इदम्, अस्मद्, युष्मद्, द्वि, त्रि, चतुर)
- 2) धातुरूप Dhaturupa (भू, गम्, पठ्, कृ, अस्, लभ्, पूज्)

- 3) समास Samasa
- 4) स्त्रीप्रत्यय Stripratyaya

(c) **Translation and Comprehension**

1. Comprehension - Sanskrit Passage from the comprehension passages of संस्कृतप्रभा, Part-II

(d) **Writing Skill**

The art of writing - Textual Explanation, Textual long questions and Precis writing.

Books Recommended

- 1) Sanskritaprabha, Part - II - संस्कृतप्रभा - द्वितीयोभागः
Published by Odisha State Bureau of Textbook Preparation and Production.
- 2) Vyakarana - darpan – व्याकरण दर्पणः

Published by Odisha State Bureau of Textbook Preparation and Production.

M.I.L (TELUGU)
FIRST YEAR

Full Marks 50

Distribution of Marks

Unit – I	:	Prose	:	20
Unit – II	:	Poetry	:	20
Unit – III A	:	Grammar	:	10
		B :		General Essay

Unit – I

1. Eight nos of Short Objective Type Questions one mark each : 08
2. One Short Question of 100 words : 05
3. One Long Question of 200 words : 07

Unit – II

1. Eight nos of Short Objective Type Questions one mark each : 08
2. One Short Question of 100 words : 05
3. One Long Question of 200 words : 07

Unit – III

1. A. Grammar – Vibhakti, Pratyayalu, Paribhasika, Padamulu : 05
Five Short Questions (One mark each)
2. B. General Essay : 05

M.I.L (TELUGU)
SECOND YEAR

Full Marks 50

Unit – I : Prose : 20

Unit – II : Poetry : 20

Unit – III A : Grammar : 10

B : Re-translation

Unit – I

1. Eight nos of Short Objective Type Questions one mark each : 08
2. One Short Question of 100 words : 05
3. One Long Question of 200 words : 07

Unit – II

1. Eight nos of Short Objective Type Questions one mark each : 08
2. One Short Question of 100 words : 05
3. One Long Question of 200 words : 07

Unit – III

1. A. Grammar – Alankaras, Chandassu : 05
2. B. Re-translation : 05

M.I.L. (TELUGU)

FIRST YEAR

F. M. : 50

UNIT – I

Prose

(20 Marks)

1. MitraLabhamu - Paravastu Chhinnayasuri
2. Vemana - Dr. G.V.Krishna Rao
3. Teiugu Patrikala Purva Rangam - Namala Visveswara Rao

UNIT – II

Poetry

(20 Marks)

1. Ekalavyudu - Nannaya Bhattu
2. Balivamana Samvadamu - Bammera Potana
3. Subhashitamulu - Enugu Lakshmana Kavi
4. Tokachukka - Gurajada Apparao

UNIT – III

(10 Marks)

A. **GRAMMAR** – I. Vibhakti – Pratyayalu

II. Paribhasika Padamulu

B. WRITING / GENERAL ESSAY

BOOKS PRESCRIBED :

1. Poetry & Prose : SAHITEE VIPANCHI - By Dr. Singupuram Narayana Rao
2. Grammar - VYAKARANA PARIJATAMU - - By Dr. Singupuram Narayana Rao

M.I.L (TELUGU)

SECOND YEAR

Full Marks 50

UNIT – I

Prose

(20 Marks)

1. MitraBhedamu - Paravastu Chinnayasuri
2. Rayaprolu streevada drukpadham - Prof K.Yadagiri
3. Goutama Budhudu - Dr.- V. Rajagopala Chakravarty

UNIT – II

Poetry

(20 Marks)

1. Sanjaya Rayabharamu - Tikkana Somayaji
2. Hanumatsandesamu - Atukuri Molla
3. Piradausi.Lekha - Gurram Jashuwa
4. Manchi Mutyala Saralu - Sri Sri

UNIT – III

(10 Marks)

A. GRAMMAR – Alankaramulu, Chandassu

B. RE-TRANSLATION

BOOKS PRESCRIBED

Poetry & Prose : Sahitee Mandaram By Dr. Singupuram Narayana Rao

Grammar : Vyakarana Parijatamu By Dr. Singupuram Narayana Rao

MIL (URDU)
Mark Distribution
+2 First Year & Second Year

F.M. 50

- Unit – I** : **Prose – 20 Marks**
- Unit – II** : **Poetry – 20 Marks**
- Unit – III** : **Grammar – 10 Marks**

Unit – I

1. Eight Objective Types multiple choice question from prose portions with alternative. : 1 x 8 = 08
2. One Short Question in one hundred words with alternative. : 1 x 5 = 05
3. One long answer type Question within 200 words with an alternative from the prose portions. : 1 x 7 = 07

Unit – II

1. Eight Objective Types multiple choice question from prose portions with alternative. : 1 x 8 = 08
2. One Short Question in one hundred words with alternative. : 1 x 5 = 05
3. Two 'Ashaar's' explanation from Ghazliyat : 2 x 3 ½ = 07

Unit – III

1. Tazkir O Tanees : 10 Marks
2. Ghalat Jumle Aur Islah

FIRST YEAR

Books Prescribed ; - “JADIDADAB PARE” Part – I

Edited by : - Dr. Azizur Rahman

Mir Ashraf Ali

Recommended Book “JADIDADAB PARE” Part I published by Odisha State Bureau of Text Book preparation and Production, Pustak Bhawan, Bhubaneswar for the students of +2 level in Arts / SC / Commerce Stream from 2016-18.

UNIT-I

1. **Prose Chapters to be studied :-** (15 Classes)
- (i) Sair Pahle Darwesh Ki – Mir Amman
 - (ii) Bahadur Shah – Do – Ghaz Zamine – Dr. Mahfugul Hasan.

UNIT - II

2. **Poetry** (15 Classes)
- Chapters to be Studied :-
- (i) Tasweere – e – Dard – Iqbal
 - (ii) Jogan Aur Chandni Raat – Mir Husan.
- (b) **Ghazliyat Portims to be studied**
- (i) Ghalib
 - (ii) Dard

Unit - III

3. Urdu Zaban – O – Qwaid – Part – I by Shafi Ahmad Siddiqui. (15 Classes)
- Chapter to be Studied : -
- (i) Tazkir O Tanees
 - (ii) Ghalat Jumle Aur Unki Islah.

SECOND YEAR

Book Prescribed : Jadid Adab Pare – Part-II

Edited by : Dr. Azizur Rahman

Mir Ashraf Ali

Recommended Book “JADID ADAB PARE – PARE Part II” published by Odisha State Bureau of Text Book preparation and production, Pustak Bhawan, Bhubaneswar.

Unit – I

1. Prose chapters to be studied.
 - (i) Hindu Musalman Eik Qaum – Sir Sayed Ahmad
 - (ii) Ustad Ki Talas : - Farhatullah Baig

Unit – II

2. Poetry chapters to be studied.
 - (i) Wadie Ganga mein Eik Raat : - Akhtar Shirani
 - (ii) Tajmahal Ki Pahli Jhalak Per : Dr. Karamat Ali Karamat.
3. Ghazliyat Poets to be studied.
 - (i) Dagh
 - (ii) Shad

Unit – III

4. Essay / Letter / Application Writing

ENVIRONMENT EDUCATION

F.M. 70

Theory

Unit - I Man and Environment

Unit - II Environmental Pollution

Unit -III Environmental Management

Unit -IV Road Safety.

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:

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

(B) Environmental Laws:

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).

UNIT - IV

ROAD SAFETY

- a) Concept & Need
- b) Traffic signs
- c) What to do and what not to do while on the road – safety guidelines, offence and penalties.
- d) Traffic Management: RTO, MVI, Police / Traffic Police
- e) Traffic Awareness.

PROJECTS

F.M. : 30

1. To study the changes that have taken place in the given land area of a city,village/locality/ market during the last five years in respect of at least five parameters like number of houses^ residents and families; food habits, number of household goods in a family, consumption of water, electricity and

fuel including that 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,

2. To study the environmental profile of a town/ locality/village in respect of population density, green cover, educational level of residents, social problems and sources of pollution and their effect on air, water and soil.
3. To collect data on monthly consumption of electricity and fuel from at least five families, any two commercial establishments and four public utilities in a given locality. To plan strategies for educating consumers to economise on the consumption of electricity and fuel by reducing their over-use, misuse and improper use.
4. To study, for a period of one month, the status of sanitary conditions and methods of waste disposal of a given locality vis-a-vis the role of Panchayat, Municipality no 40 Science Stream Corporation and to prepare an action plan for making the conditions more environment friendly.

5. To investigate the impact of an industry or a large manufacturing unit on the local environment. The parameters could be land use, the ratio of the covered area and the open space, the raw materials used for production, inputs like electricity and water, the types of waste generated and the modes of waste disposal, use of environment friendly and efficient technology, types of pollutants emitted or discharged, the average health status of the employees and residents in the area.
6. To study the impact of changes in agricultural practices or animal husbandry including poultry, piggery, fishery and apiculture over a period of time on the local environment of a given 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.
11. **Road Safety Project.**
 - (i) To conduct a survey on Traffic Offences and student initiatives to check it.
 - (ii) To prepare a status report on the prevalence of Traffic - problems in a given area.
 - (iii) To suggest an action plan for prevention of road accidents,
 - (iv) To suggest the use of efficient technology for better traffic management.

NOTE : Environmental Education will be assessed at the college level for 100 marks (70 marks for theory and 30 marks for project work) before Test Examination of the college for Annual Higher Secondary Examination and the grades (A +, A, B, C, D, in order of merit) are to be awarded by the college and the same shall be recorded in the body of the pass certificate given by the council subsequently. The grade secured in the Environmental Education (EE) will not affect the result of the candidate.

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

BOOK PRESCRIBED:

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

BASIC COMPUTER EDUCATION

+2 1st Year

UNIT - I

Computer Fundamentals : Necessity and uses of computer, what is computer?, Computer as a system, problem and problem solving technique, Important terminology, Input-Output devices, types of computer, (Digital, Analog, Hybrid, Super computer, Main Frame, Mini, ^{JC}, Note Book, and Laptop). Generation of Computer, Computer Memory, (Main, Secondary, Virtual. Buffer, Cache,) Computer Languages and its types. **8 Hours**

UNIT - II

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

Introduction to MS OFFICE :

MS-WORD: Creating a File, setting and typing text, page formatting, editing; printing, saving the files, creating Folders, Insertion tables and objects, Bulletin, 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, database Management system, RDBMS, advantages and limitations of MS- Access, parts, tables, integrity constraints, relationship and designing tables. **5 Hours**

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 "service's and Research etc.

+2 2nd Year**PRACTICAL**

NOTE : DOS, Windows, MS-Office, web page, browsing, sending and creating email.

- (i) For +2 1st year 50 marks theory examination and For +2 2nd year 50 marks practical examination.
- (ii) The grade secured taking together both the theory and Practical marks will be reflected in the Mark sheet' and the pass certificate of the Council as follows :

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

YOGA
+2 FIRST YEAR
Paper – I (Theory)

Full Marks – 50

CONCEPT **UNIT- I** **10 marks**

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

UNIT- II

BASIC PRINCIPLES **10 marks**

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

UNIT-III

BRANCHES **10 marks**

Karma Yoga, Bhakti Yoga, Raja Yoga, Jnana Yoga
Yoga in Srimad Bhagavat Gita

UNIT- IV

CONCEPT OF ASTHANGA YOGA **10 marks**

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

UNIT - V

(a) YOGA AND PERSONALITY DEVELOPMENT **10 marks**

Meaning, Dimension of Personality: Views of Swami Vivekananda and Sri
Aurobindo.

(b) YOGA AND PHYSICAL EDUCATION :

Sound Health, Sound Mind

YOGA
+2 SECOND YEAR
Paper - II, Partical

Full Marks - 50

UNIT - I

ASANA

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

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

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

PRONE LYING POSTURE : shalabhasana, bhujangasana, dhanurasana.

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

UNIT-II

RELAXATION : savasana, yoganidra Unit-III

PRANAYAMA : Priliminary practices: abdominal, thoracic, clavicular and fullyogic breathing kapalabhati, nadisodhana, bhramari seetali/seetkari Unit - IV and Unit - V

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

KRIYA : Trataka (internal and external)

NOTE :

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

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

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

Book Prescribed : An Introduction to Yoga,

Published by Odisha State Bureau of Textbook Preparation

**BASIC FOUNDATION COURSE (BFC)
ECONOMICS
PAPER-I
INDIAN ECONOMY AND STATISTICS**

A. INDIAN ECONOMY

- | | | |
|------|--|------------------------|
| I. | Status of Indian Economy | 08 Periods
12Marks |
| | <ul style="list-style-type: none"> • Basic characteristics of contemporary Indian economy • Structural changes in the Indian economy and the present state of relative contributions of primary, secondary and tertiary sectors. • Demographic features, Adverse effects of population growth and Population Policy of India | |
| II. | Sectoral Development | 10 Periods
15 Marks |
| | <ul style="list-style-type: none"> • Agriculture- Importance, low productivity and its causes, Green Revolution, present agricultural situation . • Industry - Importance, Industrial Policies - 1948, 1956, 1991. • Infrastructure -Role, Economic Infrastructure (Energy, Transport and Communications) and Social Infrastructure (Education and Health) • Foreign Trade - Role, Composition, Direction. | |
| III. | Economic Planning and Economic Reforms | 07 Periods
13 Marks |
| | <ul style="list-style-type: none"> • Planning -Meaning,Need. Objectives and Achievements , Niti Ayog • Economic Reforms Since 1991- need and main features of Liberalisation, Privatisation and Globalisation. | |
| IV. | Current Challenges Facing the Indian Economy | 15 Periods
20 Marks |
| | <ul style="list-style-type: none"> • Poverty - absolute and relative poverty, causes of poverty, important poverty alleviation programmes currently in place . • Unemployment and underemployment - causes, dimensions and government programmes currently in place. • Inflation - causes and anti-inflationary measures in place. • Sustainable economic development - Meaning of sustainable development. Economic growth and its adverse impact on Environment. Problems of global warming and climate change . | |

B. STATISTICS FOR ECONOMICS

- V. Introductory Statistics 06 Periods
07 Marks
- Meaning, scope, importance, uses and limitations of statistics in economics .
 - Sources of statistical data- primary and secondary sources, NSSO and Census of India as sources of secondary data in India.
 - Methods of collection of primary data - census and sampling methods and their relative merits and demerits .
- VI. Frequency Distribution 06 Periods
08 Marks
- Meaning and types of variables and frequency distribution.
 - Organisation of Data-Basics, Presentation of data - Tabular and diagrammatic presentation, Bar diagram, Pie diagram, Histogram, Frequency Polygon, Ogives, line graphs, Histograms.
- VII. Statistical Methods -1 14 Periods
15 Marks
- III. Measures of Central Tendency- Simple and Weighted Arithmetic Mean, Median, Mode, Concepts of Geometric Mean, Harmonic Mean
- JJJ. Measures of Dispersion
Absolute Measures - Range, Quartile Deviation, Mean Deviation and Standard Deviation
Relative Measures - Coefficients of Range, Quartile Deviation, Mean Deviation and Standard Deviation
- KKK. Merits and Demerits of different Measures of Dispersion
- VIII. Statistical Methods - II 14 Periods
10 Marks
- Correlation- Meaning, Correlation and Causation, Types of Correlation, Scatter diagram Method of measuring correlation, uses of correlation in Economics
 - Regression - Meaning, Difference between Correlation and Regression, Uses of Regression in Economics
 - Index Numbers-Meaning, Importance, Uses, Consumer and Wholesale Price Index Number.
 - Time Series-Meaning, Uses and Components.

**BASIC FOUNDATION COURSE (BFC)
ECONOMICS**

**Paper-II
Elementary Micro and Macro Economics**

A. INTRODUCTORY MICRO ECONOMICS

- | | | |
|------|---|------------------------|
| I. | Introduction | 10 Periods
10 Marks |
| | <ul style="list-style-type: none"> • Definition, scope and subject matter of economics. • Meaning of economy and central problems of an economy- scarcity and choice, what, how and for whom to produce ? • Basic concepts - wants, utility, goods, value, price and wealth. | |
| II. | Consumption and Demand | 14 Periods
15 Marks |
| | <ul style="list-style-type: none"> • Laws of consumption - marginal and total utility, law of diminishing marginal utility, law of equimarginal utility and conditions of consumer's equilibrium • Demand - meaning and determinants, individual and market demand, demand schedule and demand curve, movement along and shifts in the demand curve. • Price elasticity of demand - concept, determinants, measurement of price elasticity of demand; percentage and geometric methods (linear demand curve), relation of price elasticity of demand with total expenditure. | |
| III. | Production | 10 Periods
10 Marks |
| | <ul style="list-style-type: none"> • Meaning of production and production function - short run and long run. • Total. Average and Marginal Product. • Law of variable proportions and returns to a factor . | |
| IV. | Cost, Revenue and Supply | 12 Periods
15 Marks |
| | <ul style="list-style-type: none"> • Cost- money and real cost, implicit and explicit cost, fixed and variable cost, Total, average and marginal costs in the short run and their relationship (simple analysis) • Revenue- Total, average and marginal revenue and their relationship • Supply - meaning and law of supply | |
| V. | Market | 08 Periods
10 Marks |
| | <ul style="list-style-type: none"> • Meaning and forms of market, pure and perfect competition, price determination under perfect competition and effects of shifts in demand and supply • Meaning and features of monopoly, monopolistic competition and oligopoly . | |

B. INTRODUCTORY MACRO ECONOMICS

VI. Introduction 04 Periods
05 Marks

- Meaning of macroeconomics, Distinction between macro-and micro-economics, subject matter of macro economics

VII. National Income 10 Periods 15 Marks

- Meaning and aggregates related to national income - GNP, NNP, GDP and NDP at market price and factor cost.
- National disposable income (Gross and Net), Private Income, Personal income, Personal disposable income, Nominal and real national income.
- Income determination - Aggregate Demand and Supply and their components, simple Keynesian Theory of Income Determination .

VIII. Money, Banking and Public Finance 12 Periods
20 Marks

- Meaning and Functions of Money.
- Meaning and Functions of Commercial Banks .
- Functions of Central Bank.
- Meaning of Public Finance and Difference between public and private finance .
- Budget - Meaning and objectives, balanced and unbalanced budget, surplus and deficit budget.

BOOK PRESCRIBED:

Higher Secondary (+2)Economics, Part-I & Part-II Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

**BASIC FOUNDATION COURSE (BFC)
HISTORY
First Year (Paper-I)**

History of the World

UNIT-I

1. History : Meaning and Relevance
2. History of Human Evolution :
 - a) The Precursor of Modern Human Beings
 - b) Modern Human Beings :
 - i. Early Humans ways of obtaining food.
 - ii. Habitat -Trees to caves and open air sites.
 - iii. Making of tools
 - iv. Modes of communications - Language and art.
 - c) Epilogue - Domestication of animals, plants; Development of farming and pastoralism as a way of life.
3. Contributions of Ancient River Valley Civilisation :
 - a) Egypt
 - b) Mesopotamia
 - c) China

UNIT - II

1. Ancient Greece :
 - a) Rise of city states - Athens and Sparta.
 - b) Evolution of Direct Democracy
 - c) Age of Pericles.
2. Ancient Rome :
 - a) Society : Composition, Gender, Literacy, Culture, Economic Expansions, Slavery.
 - b) Roman Constitution
 - c) Julius Caesar : Achievements
3. Feudalism in Europe : Features, Merits and Demerits.

UNIT - III

1. Major religions :
 - a) Christianity
 - b) Islam
2. Science and Changing Cultural Traditions in Europe between 11th and 17th Centuries :
New Ideas and New Trends in Science, Literature and Art.
3. European Voyages of Explorations (15th to 17th Centuries).

4. Civilisations in Americas : Maya, Aztek and Inca.

UNIT-IV

1. Innovations and Technological changes : Industrial Revolutions.
2. American War of Independence : Causes and Consequences.
3. French Revolution of 1789 : Causes and Significance.

UNIT-V

1. World War-I : Causes and Consequences.
2. Russian Revolution of 1917 : Causes and Significance.
3. Events leading to the World War-II.
4. United Nations : Origin, Objectives and Structure.

2nd Year

(Paper-II)

History of India

UNIT-1

1. Sources of Indian History : Archaeological, Literary, Foreign Accounts and Archival
2. Foundation of Indian Culture :
 - a) Harappan culture : Discovery, Geographical extent, Town planning, Structures, Agriculture, Domestication of Animals, Technology and Craft, Trade, Contact with distant lands, Scripts, Weights, Measurement, Religious beliefs, Seals.
 - b) Rig Vedic and Later Vedic Age - Socio-Economic life, Political organization, Religious Beliefs, Position of Women.
3. The Earliest states : Sixteen Mahajanapadas.

UNIT-II

1. Religious Movements of Sixth Century B.C. - Jainism and Buddhism : A critical evaluation of the Teachings, Contribution to Indian culture,
2. Kalinga War - Causes and Effects; Mauryan Administration.
3. Cultural Attainments of the Gupta Age.

UNIT-III

1. Perceptions of society through the eyes of the Travellers (10th to 17th centuries).
 - a) Al-Biruni
 - b) Ibn Battuta

- c) Francois Bernier
- 2. Delhi Sultanate : Nature of State, Social structure, Position of Women.
- 3. Culture of Mughal Age : Social structure, Position of Women, Art and Architecture, Paintings, Din-i-Ilahi.
- 4. Sufi and Bhakti Movements : Tenets, Impact on Indian Society.

UNIT-IV

- 1. British Economic Policies in India (1757-1857 A.D.) : Commercial Policy, Drain of Wealth, Development of means of Transport and Communication; Revenue Policy.
- 2. Revolts against British Colonialism - Sanyasi Rebellion, Khurda Rebellion of 1817, Santal Rebellion (1855-56), The Great Indian Revolt of 1857.
- 3. Mahatma Gandhi and National Struggle for Independence :
 - a) Non-Cooperation Movement and its response in Odisha.
 - b) Civil Disobedience Movement and its response in Odisha.
 - c) Quit India Movement and its response in Odisha.

UNIT-V

- 1. Colonial Cities - Urbanisation, Planning and Architecture :
 - a) Towns and Cities in pre-colonial times.
 - b) Changes in 18th century.
 - c) Trends of changes in the 19th century
 - d) Ports, Forts and Centres for Services
 - e) A new urban milieu
 - f) The First Hill Stations
 - g) Social life in new cities.
 - h) Colonial Architecture in Calcutta (Kolkata), Bombay (Mumbai) and Madras (Chennai).
- 2. Formation of the Province of Odisha.
 - a) Movement for Linguistic Identity.
 - b) Events leading to the formation of the province
- 3. Contributions of (a) Madhusudan Das, Gopabandhu Das, Krishna Chandra Gajapati, (b) Sarla Devi, Rama Devi and Malati Devi.
- 4. Framing the Indian Constitution :
 - a) Making of the Constituent Assembly.
 - b) Vision of the Constitution
 - c) Salient features

BOOK PRESCRIBED:

Higher Secondary (+2) History, Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

POLITICAL SCIENCE

There shall be two papers in Political Science modelled on the Syllabi of CBSE.

Paper-I: Title-Foundation of Political Theory and Indian Government at work (For First Year).

Paper-II: Title-Democracy and Nation Building in India and International affairs (For Second Year).

The subject of Political Science modelled on the Syllabi of CBSE consists of two papers as mentioned above. Paper-I is to be covered in the +2 First Year class and Paper-II is to be covered in the +2 Second Year class. Each paper is divided into two sections and each section is further subdivided into two/three units. Thus there are five units in both Paper-I and Paper-II. Periods have been allocated for the respective units approximately. Teachers are advised to take at least those numbers of periods to cover the particular unit. The major concepts and principles should be taught in such a manner as to stimulate higher mental abilities among students like application, logical thinking, analysis etc., and not the factual information. Paper-setters and Examiners are requested to keep the above in mind while setting questions and examining, respectively. Questions should be of short (one word/ multiple-choice/ one sentence), medium (50/100 words/ five sentence) and long (500 words or there about). Also Questions of final/AHS Examination shall cover all the five units of Paper -II.

Objectives of the course/syllabus are, as briefly mentioned above are:

- To enable the students to acquire knowledge about the important concepts, theories, principles, provisions, process and Institutions of the Indian constitution, and some rudimentary knowledge about International affairs;
- To acquaint the students with the changing dimension of politics and political theory both in the national and international knowledge domain;
- To develop an interest among the students regarding problems of political domain and to find out the possible solution to those problems.

Suggested Reading:

1. Political Theory- For Class-XI (Published by NCERT, New Delhi)
2. Indian Constitution at Work- For Class-XI (Published by NCERT, New Delhi)
3. Contemporary World Politics, For Class-XII (Published by NCERT, New Delhi)
4. Politics in India, For Class-XII (Published by NCERT, New Delhi)
5. Book (Published by Text Book Bureau, OSBTBPP, Odisha, BBSR)

First Year
Political Science Paper-I
(Foundation of Politics and Government)

PART-A
POLITICAL THEORY

UNIT-I (Understanding Political Theory)

Sl. No.	TOPIC	No of Periods
1	Political Theory: An Introduction -What is Politics? Nature and scope of Politics; Usages of Political Theory.	4
2	State: Definition; Elements of State.	4
3	Nature of State Activity: Individualism; Welfare <i>State</i> ; Globalisation.	6

UNIT-II (Basic Concepts)

Sl. No.	TOPIC	No of Periods
1	Liberty: Positives and Negative Liberty; Types of Liberty	2
2	Equality: Meaning; Dimensions; Significance of Equality.	2
3	Justice: Meaning; Dimensions; Significance of Social Justice.	2
4	Rights: Meaning; Types; Human Rights and its significance.	4
5	Secularism: Meaning; Western and Indian approaches to Secularism.	2
6	Development: Meaning; Models of Development; Capitalistic model, Socialist model; Sustainable Development.	4

PART-B INDIAN CONSTITUTION AT WORK

UNIT-III (Indian Constitution)

Sl. No.	TOPIC	No of Periods
1	Philosophy of the Constitution; Constitution- the Making; Constituent Assembly; Preamble; Basic Features; Amendment Procedure.	8
2	Rights in the Indian Constitution; Fundamental Rights; Directive Principles of State Policy; Relationship between Fundamental Rights & Directive Principles of State Policy; Fundamental Duties.	8

UNIT-IV (Constitution at work-I)

Sl. No.	TOPIC	No of Periods	Marks
1	Election and Representation: Elections and Democracy; Election Commission- Composition and Functions; Challenges to Free and Fair Elections; Electoral Reforms.	8	
2	Legislature: Parliament- Composition and Functions; State Legislatures (Odisha Vidhan Sabha) Composition and Functions.	8	

UNIT-V (Constitution at work-II)

Sl. No.	TOPIC	No of Periods	Marks
1	Executive: President- Powers & Position; Prime Minister- Functions & Role; Governor- Powers and Position; Chief Minister- Functions & Role.	8	
2	Judiciary: Structure of Judiciary; Supreme Court; High Court; Judicial Review; Judicial Activism.	10	

Second Year

Political Science Paper-II (DEMOCRACY IN INDIA AND INTERNATIONAL POLITICS)

PART-A POLITICS IN INDIA UNIT-I (Democracy in India)

SI. No.	TOPIC	No of Periods
1	Democracy: Meaning, Types and Features; Challenges to Democratic Process in India- Inequality, Illiteracy, Regionalism, Naxalite Problem, Gender Inequality.	8
2	Party system in India: Meaning, Types; One Party Dominance, Coalition Politics; Regional Parties.	8

UNIT-II (Democratic process in India-1)

SI. No.	TOPIC	No of Periods
1	Federalism in India: Features; Centre-State relation; Recent Trends in Indian Federalism.	8
2	Local Governance in India-Rural & Urban Local Bodies- Composition & Functions.	8

Unit-III Democratic process in India-II)

SI. No.	TOPIC	No of Periods
1	Challenges to Nation-Building: Meaning; Communalism, Casteism, Regionalism, Terrorism; Remedies.	
2	Contemporary issues in Indian Politics: Popular Movements-Women Movement; Environment protection Movements; Development-Displacement Movements.	8

PART-B CONTEMPORARY WORLD POLITICS
UNIT-IV (India in World Politics)

Sl. No.	TOPIC	No of Periods
1	Indian Foreign Policy: Basic Features; India and its neighbours-China, Pakistan.	8
2	International Organizations: UN: Major Organs-General Assembly; Security Council; International Court of Justice; Reforms of the UN. India's position in UN. International Economic Organizations- World Bank and the IMF.	8

UNIT-IV (Issues in International Politics)

Sl. No.	TOPIC	No of Periods
1	Changing Dimension of Security in Contemporary World: Traditional Security Concerns: Arms Race and Disarmament. Non-Traditional Security Concerns: Human security: Global Poverty, Inequality, Health and Education.	8
2	Environment and Natural Resources: Global Environmental Concerns; Development and Environment; Global Warming and Climate Change.	8

BOOK PRESCRIBED:

Bureau's Higher Secondary (+2) Political Science, Paper-I & II (English & Odia) Published by Odisha State Bureau of Textbook Preparation & Production, Bhubaneswar.

TRADE SUBJECTS
TEXTILE DESIGNING
FIRST YEAR
Paper – I Theory

TEXTILE SCIENCE

Marks : 40

Unit – I

Classification and identification of Textile Fibers

- Natural cellulosic fibers
- Natural protein fibers
- Man made fibers
- Mineral and Miscellaneous fibers

Unit – II

Classification of Yarns

- Simple, fancy and complex yarns
- Spinning methods
- Yarn making
- Twist in yarn, yarn strength and yarn count

Unit – III

- Loom – History, Types, parts
- Primary motions – shedding, picking, battening
- Secondary motions – Taking up and letting off
- Count of the cloth – warp and weft
- Preparation of warp
- Weaves – Basic and Fancy weave
Basic – plain, twill, satin and sateen weaves

Fancy – jacquard , Dobbs, leno etc.

- Knitting – purl knit and their variation

Unit – IV

- Finishes
- Preliminary treatment (Basic) – Scouring, Bleaching, Designing and Singeing
- Mechanical Finishes – Beetling
- Brushing and shearing – calendaring, tantering, molreing, embossing, glazing, napping, weighting, sizing, sanforizing
- Chemical Finish – Nercerizing, crease resistant, water proof and water repellent, flame proof

TEXTILE DESIGNING

Paper – I Practical

Marks : 60

Unit – I

- Parts of Handloom and their functions

Unit – II

- Knitting and knotting
- Basic Ribbing
- 4 types of Designs
- Knitting Booties / Socks for Baby
- Knitting of Bonnet for Baby
- Carpet making by Knotting

Unit – III

- Count and Balance of cloth of various types of fabrics

Unit - IV

- Finishing
- Preparation of stiffening agents and their application
- Scouring
- Bleaching
- Designing

TEXTILE DESIGNING
FIRST YEAR
Paper – II Theory
TEXTILE DYEING AND PRINTING

Marks : 40

Unit – I : Dyes

- Classification – (Natural) vegetable, animal and mineral dyes
- Artificial / synthetic dyes
 - ❖ Direct Dyes or salt dyes
 - ❖ Basic Dyes
 - ❖ Acid Dyes
 - ❖ Sulphur
 - ❖ Mordant
 - ❖ Vat
 - ❖ Developed colour

Unit – II

- Chemical constitution and theory of Dyeing
- Chemistry of dyeing
- Dyeing of different textile, fibers and fabrics
- Stages of dyeing (stock, top, yarn, piece, union, craes and dope)
- Resist Dyeing
 - ❖ Tie and Dye
 - ❖ Batik

Unit – III : Printing

- General theories of printing
- Methods of printing
- Types – Hard printing – Block and Screen, Medium printing – Direct, Roller, Discharge, Resist and pigment printing.
- Auxiliaries used in printing

Unit – IV : Stains

- Classification : Animal, vegetable, oil based and mineral
- Removal of stains
- Precautionary measures

TEXTILE DESIGNING

Paper – II Practical

Marks : 60

Unit – I : Identification of Fiber : (Cotton, Silk, Wool)

- Visual Inspection
- Microscopic test
- Burning test
- Solubility / Chemical Test

Unit – II : Study of Yarns

- Simple – Single, Ply, Cord, Cre
- Complex – Slub, Flock
- Twist Type – ‘Z’ and ‘S’ twist

Unit – III : Weaves

- Samples of plain, twill and satin weaves and its variation to be prepared
- Collection of samples of different types of weaves

Unit – IV : Stain Removal

- Methods of stain removal
- Animal stain – Blood, perspiration
- Vegetable – Grass, Fruit Juice, Curry
- Oil based – Grease, paint, lipstick
- Mineral – Iodine, Rust, Ink red and blue
- Miscellaneous – Nail Polish, Scarch

TEXTILE DESIGNING
Second Year
Paper – III Theory
BASIC TEXTILE DESIGNING

Marks : 40

Unit – I : Indian Traditional Textiles

Woven : Patola, pochampalli, Bandha, Bomkei, Brocodes, chanderi, paithani, himru, Maheswari, Jamdhani etc.

Plain woven Fabrics : Dacca Muslim, Calico and Chintz Tassar, Kota Doria

Unit – II

- Embroidered – Kasida, chikankari, kantha, chamba, kasuti, appliqué, kutch and Kathiawar, Phulkari, Manipur embroidery
- Printed – Sanganeri, block, khadi, kalamkari, Madhubani

Unit – III : Design Types

- Design Types : placement, motif and its classification
- Design perspective
 1. Perspective, rendering, techniques of composition, interpretation of design, filling of simple shapes
 2. Relation of craft technique to drawing and designing on textile articles understanding the repeats in terms of basic fabric structure
- Placement of design : All over, scattered, corner, central border etc. Arrangement of figure and pattern.
- Layout of different articles.

Unit – IV

- Origin, history and technique of the following traditional and creative crafts :
Batik, Tie & Dye, Stencil, Hard Painting (fabric), Flock transfer
- Use of computer in textile designing

TEXTILE DESIGNING

Second Year

Paper – III Practical

Dyeing and Printing

Marks : 60

Unit – I

- Dyeing with indigenous Dyes
- Preparation of cloth
- Application of Dye
(Pomergranate, Henna, Turmeric and other flower and Vegetables) 4 types

Unit – II

- Batik Dyeing
- Preparation of Cloth and Design
- Wax throwing and splashing
- Single Colour / Multi Colour
- Cracks
- De Waxing and Ironing

Unit – III

- Tie and Dye
- Preparation of sample
- Folding and knotting
- Stitching and Bandha
- Dyeing

Unit – IV

- Stencil Painting
- Preparation of Stencils
- Printing by Spraying
- Printing by Dry brush, sponge

Unit – V

- Block printing
- Preparation of Dye
- Application of Block on garbic
- Hand printing

TEXTILE DESIGNING
Second Year
Paper – IV Theory
Entrepreneurship and Textile Unit Management

Marks : 40

Unit – I

- Concept of Retailing and Merchandising
- Terminology used in Retailing & Merchandilising
- Meaning and scope of Business
- Definition of Business Activities
(Trade, Industry, Commerce and Direct Service)

Unit – II

- Characteristics of Market
- Creation of Utility
- Enterprise
- Profit Calculation
- Risk factors and future success
- Exchange of money and sale

Unit – III

Definition and type of Business organizations

- Individual
- Partnership
- Co-operative
- Private and Public Limited

Unit – IV

Production Management (Handloom & Powerloom Sector)

Basic and Fundamental Factors

- Location of Unit
- Land
- Communication
- Factors for Selection

Technical Factors

- Availability of Raw Materials
- Proximity of Market
- Availability of Technical Services
- Cheap and Skilled Labourer
- Power and Fuel

TEXTILE DESIGNING
Second Year
Paper – IV Practical

Marks : 60

Unit – I

- Elements of Design and their application
(Line, Form, Shape, Texture, Value, Pattern)
- Principles of Design
(Harmony, Emphasis, Proportion, Balance and Rhythm)
- Design types – Structural and Decorative
- Colour Schemes and their application

Unit – II

- Hand Embroidery
- Samples of Basic stitches
(Running, back, Herring bore, Fly, cable, knot, French knot, Feather, Filling and Chikankari)
- Make an album of Indian Embroidery

Unit – III

- Woven Designs
- Selection of Warp and weft
- Development of step pattern
- Development of stripped Design
- Development of checked Design

Unit - IV

- Preparation of suggested themes for designing
- Natural
- Floral
- Birds and Animals
- Traditional
- Tribal / Folk Art
- Geometric

Unit – V

- Apparel Designing
- For Children – 2 types
- For Adolescents – 2 types

TRAVEL AND TOURISM MANAGEMENT
FIRST YEAR
PAPER – I (THEORY)

Full Marks : 40

Unit - I

Meaning, Definition and Scope of tourism, concept of tourism, Domestic and International tourists, inbound and outbound tourist, Historical Background, types of tourism.

Unit - II

Tourism Product : Natural, Manmade, Fair & Festival, Dance & Music concept of tourism product, nature and characteristics of tourism product (Natural and Manmade), Difference between tourism products and consumer products.

Unit - III

Tourism Components (Natural Attractions) : Hill station (Darjeeling) Island (Lakshadweep), River (Ganga), Lake (Chilika), Forest and Wildlife (Similipal, Bhitarkanika).

Manmade attractions : Movements (Konark Sun Temple) Pilgrim destinations (Four Dham, Sravanbalagola, Ajmer Sherif, Golden temple (Amirter), Churches of Goa, Fair and Festival (Rath Yatra, Kumbhamla, Konark Festival) Dance and Music (Odissi, Chhau), Handicraft (Appliqué Work, filigree work, Patta Paintings)

Unit - IV

Tourism Components (Transport and Accommodation) : Accessibility (Mode of Transport : Road, Rail, Air and Water), Accommodation types of accommodation (Primary and Supplementary), Departments of a hotel with special reference to front office.

FIRST YEAR

PAPER – I (PRACTICAL)

Full Marks : 60

Units

1. Map work – Atlas reading
2. Collection of newspapers and magazine cuttings.
3. Collection of Brouchers, CDS/DVDs, Posters, Folders etc used for promotion of tourism & preparation of tourism & preparation of a descriptive note.
4. Computer skills for getting information related to tourism from interent.
5. Prepare a report by identifying motivation of ten tourists visiting a destination of your locality.

FIRST YEAR

PAPER – II (THEORY)

Full Marks : 40

Unit - I

Elements : Elements of tourist destinations, influences of elements on tourists flows, motivational factors and barriers in tourism.

Unit - II

Impacts : Economic, Socio cultural and environmental impacts of tourism, Concept of Carrying Capacity.

Unit - III

Tourism promotion in Odisha, Infrastructure facilities and amenities. Brief outline of important features of tourism five years plans.

Unit - IV

Tourism Organisation : Dept. of Tourism, Govt. of India and Govt. of Odisha, ITDC, OTDC, TAAI, IATA, PATA, UNWTO, FHRAI

FIRST YEAR

PAPER – II (PRACTICAL)

Full Marks :60

Units

1. Field visit to Railway stations / Airports terminals & Study of Tourism Services.
2. Visit to Govt. of India Office / Govt. of Odisha Office to study Tourism facilities and services – preparation of write – up
3. Arrange a role play of a receptionist in the classroom.
4. Visit of a hotel to list out various personnel working in the Front Office – study of their duties & responsibilities submission of a report.
5. ECO - Tour

SECOND YEAR

PAPER – III (THEORY)

Full Marks : 40

Unit - I

Travel agents :

Definition of travel agents and tour operators, difference both T.A & T.O. Organisational structure of travel agency, operation of T.A (Roles, function and responsibilities), setting up of travel agency.

Unit - II

Automation :

Travel agency automation : Introduction, basic data processing / computer concepts, Travel Portals and it's usefulness, functions, benefits to travel industry. CRS Concept Generating PNR, automated sales distribution system.

Unit - III

Travel formalities :

Travel Frontier Formalities : Passport, Visa, Health regulation, Customs and Currency regulation, Travel Insurance. Airport information and facilitation.

Unit - IV

Time Factors :

IATA, Areas, subareas and sub regions, Time zones and Calculation of time, IDL Concept, GMT variation calculation of time difference between two countries.

SECOND YEAR

PAPER – III (PRACTICAL)

Full Marks :60

Units

1. Role playing sessions on telephonic conversation with tourists / tour operation.
2. Practice of using Travel Information Manual (TIM)
3. Exercises on coordination with hotels, guides and transports for operating a tour.
4. Exercises on tour packages.
5. Hospitality – check.

TRAVEL AGENCY MANAGEMENT

SECOND YEAR

PAPER – IV (THEORY)

Full Marks : 40

Unit - I

Tourism promotion and marketing :

Tour Operation : Definition history, growth and development of tour operation business, itinerary preparation, requirements, procedures followed.

Unit - II

Types of tour (Package tour, incentive tours, adventure tours, conducted tours, special interest tours etc) components, customized and readymade, Tour costing – Factors influencing tour costing.

Unit - III

Emerging varieties of tours with examples like MICE, Beach holidays, botanical tour, yoga and meditation, health tour, Buddhist Circuits, Wild life tours, adventure tours, desert safari, gulf tour, theme tour, toy train tour, pilgrimage tour and special interest tour etc.

Unit - IV

Tourism Communication : Tour Manager, Guide, Escort services meaning types of guides, duties and responsibilities, qualification of a good guide, escort services, tour manager's job.

SECOND YEAR

PAPER – IV (PRACTICAL)

Full Marks :60

Units

1. Role playing exercise in attending to customer's queries / complaints / suggestion.
2. Practice in filling up of passport / railway reservation forms etc.
3. Creation of Passanger Name Record
4. Check in and Check out procedure in a Hotel.
5. Desk office work and Report preparation on tourist satisfaction at the destination : feed back.

**CRECHE AND PRE SCHOOL MANAGEMENT (CPM)
FIRST YEAR
Paper - I Theory**

Full Marks : 40

UNIT - I

Early Childhood Education

Its need, importance and scope

UNIT - II

Child and his Behaviours : Human Behaviours

Psychology as a Science of behavior, its meaning and scope. Method of child study – case history, observation techniques. Child learning process : Nature of learning and maturation. Basic conditions necessary for effective learning.

UNIT - III

Child and his Education

The aims and objectives of Education. Meaning and functions of formal and Non-formal Education Role of preschool teacher.

UNIT - IV

Child's health

Importance and Conditions of healthy growth. Importance of Health Education with special reference to Pre-school child.

CRECHE AND PRESCHOOL MANAGEMENT (CPM)

FIRST YEAR

Paper - I Practical

Full Marks : 60

The students are required to prepare relevant records of following activities.

Units

1. Observation and Recording of Preschool child's growth of height, weight, arm circumference and preparing individual growth charts.

(For five children of age groups of 0-1, 1-2, 2-3, 3-4 and 4-5)

2. Preparing and using of Toys made with low cost materials for sensory, muscular, language, intellectual and cognitive Training.

Developing of Toy Library

Submission of Records.

**CRECHE AND PRE SCHOOL MANAGEMENT (CPM)
FIRST YEAR
Paper - II Theory**

Full Marks : 40

UNIT - I

Prenatal Development, Factor affecting Prenatal Development Postnatal Care of mother.

UNIT - II

Child care : Some important child rearing practices. Role and Responsibilities of Parents & Teachers.

UNIT - III

Aims and Objectives of Pre-School care and Education. Innovations and Experiments in Pre-School care and Early childhood education.

- (i) Nursery (Montessori)
- (ii) Kindergarter (Froebel)
- (iii) Pre-basic education (Gandhi)

UNIT - IV

Child care and Early Childhood Education programme in India

- (i) Creche
- (ii) Aganwadi (ICDS)
- (iii) ECCE Centres

CRECHE AND PRE SCHOOL MANAGEMENT (CPM)

FIRST YEAR

Paper - II Practical

Full Marks : 60

Units

1. To observe teacher – pupil interaction
To establish rapport with the pupils.
To help adjustment of the pupils in the classroom situation.
To conduct games, creative activities, songs, dance etc with the children.
To use handmade toys and examine their effectiveness.
To prepare charts, models etc as instrumental aids for children.
2. Co-operation with the community.
A student is required to carry out.
 - (i) Home visits and guidance to parents.
 - (ii) Survey of the locality relating to children of crèche and pre-school age gap.
 - (iii) Organising parent's meeting.
 - (iv) Organising and Exhibiting children's performance.
 - (v) Celebrating festival in the centre or Co-operation with the community.

Record should be maintained for all the above activities.

CRECHE AND PRE SCHOOL MANAGEMENT (CPM)

SECOND YEAR

Paper - III Theory

Full Marks : 40

UNIT - I

Child Development : Importance of the study of Child Development with special reference to early childhood.

Physical Development : Growth and Development, Factors affecting Growth and Development.

UNIT - II

Psychological Development : Social and Emotional Development (Fear, Anger, Jealousy) cognitive and Language Development

UNIT - III

Types of Play : Different factors influencing children play

Aesthetic Development : Dance, Music, Painting, Drawing, Modeling etc

UNIT - IV

Exceptional Children : Meaning and Types of Exceptional Children

- (i) Gifted and disabled
- (ii) Mentally retarded
- (iii) Physically handicapped such as blind, deaf and dumb.

**CRECHE AND PRE SCHOOL MANAGEMENT (CPM)
SECOND YEAR
Paper - III Practical**

**Full Marks : 60
Periods : 28
One Class is equal to 3 periods**

1. Collection and recording of case histories from each categories as given below

Important milestones of development (including Home Environment)

- (a) A normal child (0-3 years and 3-6 years)
- (b) A physically Handicapped child (0-3 years and 3-6 years)

2. Organising Development and Learning activities (through play, games, storytelling and field trips) for

- (a) Sensory and muscular development (Drawing, Dancing, Signing and painting)
- (b) Social and Emotional Development (Role playing, modeling, pasting, cutting, play and peer group interaction.
- (c) Cognitive and Language Development – (Storytelling, prewriting and pre-reading skills)
- (d) Aesthetic Development (Dramatization and puppet show) Observing and Recording status of the child before and after training activities.

Record should be maintained for all activities.

**CRECHE AND PRE SCHOOL MANAGEMENT (CPM)
HEALTH AND CHILD CARE
SECOND YEAR
Paper - IV Theory**

Full Marks : 40

UNIT - I

Care of the new born baby.

- (i) Immediate body cleaning, diet, temperature regulation.
- (ii) Daily care of umbilicus, eye, ear, nose and mouth.
- (iii) Massaging and Exercise
- (iv) Cleaning

UNIT - II

Common Childhood diseases

- (i) Measles, Tetanus, Chicken Pox, Whooping Cough, Diptheria, Polio, T.B.
- (ii) Diarrhoea and Dysentery – Causes, Symptoms, Prevention and Treatment
- (iii) Common Childhood ailments

UNIT - III

Common Early Childhood Problems

- (i) Thumb Sucking
- (ii) Nail biting
- (iii) Bed wetting
- (iv) Aggression
- (v) Shyness

UNIT - IV

First Aid – It's importance, contents of the first Aid, common home remedies.

Immunisation – Need and importance

Types of Vaccines.

CRECHE AND PRE SCHOOL MANAGEMENT (CPM)

SECOND YEAR

Paper - IV Practical

Full Marks : 60

Units

1. Observation of newborn and premature babies in hospitals. Discussion with the mother and observation should be recorded.
2. Feeding bottle sterilization and preparation of milk formula and its record.
3. Meaning of food preparation & its records.
4. Maintain health and immunization cards of a pre-school child.

CATERING & RESTAURANT MANAGEMENT**First Year****Paper – I Theory****COOKING****(MARKS - 40)****Total Periods - 40****Unit – I : Cooking****Objective of cooking** : **2 Periods****Methods** and Principles of cooking food, moist heat, dry heat : **5 Periods****Vegetables** - Classification of vegetables, cuts of vegetables, Methods of cooking vegetables, Changes during cooking. : **3 Periods****Unit – II : Stocks, Sauces and Soup****Stock-Definition** : **3 Periods**

Classification, Preparation and uses of stock

Sauce : **3 Periods**

Importance, Basic Mother sauces with derivatives and uses, standard recipes.

Soup : **4 Periods**

Classification with examples, Basic recipes, Garnishes and accompaniments of different soups

Unit-III : Eggs, Fish ,Cereal and Pulse**Definition &Structure of Egg** : **4 Periods**

Selection of Egg, Uses of Egg, cooking of Egg,. Different Egg preparation.

Fish : **4 Periods**

Classification, selection, cuts, cooking of fish (effect of heat)

Cereal and Pulse cooking : **2 Periods**

Varieties of cereals and pulses, cooking of cereal and pulses

Unit –IV : Basic culinary Terms. Kitchen Staff Organisation

Cookery and bakery : **4 Periods**

Kitchen Brigade duties : **3 Periods**

Responsibilities of different Kitchen staff : **3 Periods**

CATERING & RESTAURANT MANAGEMENT

First Year

COOKING

Paper - I Practical

Marks – 60

Total Periods : 50 x 3 = 150

- Familiarisation with the equipment, tools and utensils
- Cutting of vegetables
- Indian Preparation

Rice : Different varieties (Boiled rice, Lime rice, Curd rice, Khichidi, Poongal, Pulau, Biryani)

Breads : Chapatias, Parathas (plain & Stuffed) Poories, Bhaturas.

Dal : 6 varieties (different varieties of dal-plain, masala dais, sambar, rasam, dais with vegetables, etc.

Vegetables : 10 varieties (Dry curry, baked, fried, korma, paneer dishes etc)

Eggs : 3 varieties (curry, Bhujji etc)

Fish : 3 varieties (fried, curry, regional speciality)

Meat /poultry : 6 varieties (dry, with masala, curries, fried, cutlets, and regional speciality)

Snacks : 10 varieties (including pakoras, bondas, samosa, upama, vadas, dosa, idlies, chat, regional speciality etc)

Chutney, raita : Ten varieties

Sweets : 10 varieties (including halwas, kheer, burfies, ladoos, gulabjamoon, rasgulla etc)

NB : each practical 3 periods

- Indian menu practical : 20
- western menu practical with demonstrations and guided practice each menu consist of Indian menu : 20

CATERING & RESTAURANT MANAGEMENT
First Year
Paper - II Theory
FOOD AND BEVERAGE SERVICE

(MARKS-40)

Total Periods-40

Unit – I : Introduction to Catering Industry

Types of Catering Establishment, Career Opportunities	: 5 Periods
Staff Organisation in Restaurants,	: 5 Periods
Duties and Responsibilities of different Categories of Staffs.	
Attributes of a Waiter	: 5 Periods
Personal attributes do's and don'ts, Personal hygiene and its importance.	

Unit – II : Restaurant Equipment

Crockery, Cutlery, Tableware, Glassware, Linen, Furniture, special equipment.	: 5 Periods
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Unit – III : Restaurant Service

Mis-en-place, Mis-en-scene, Covers, Receiving Guest, service at table, Rules for laying the table, Rules to be observed while waiting at the table	: 5 Periods
Types and styles of Service	: 5 Periods
English, French, American, Gueridon, Cafeteria, Snacks bar	
Buffet, Banquet, Fast Food Service, Bar Service	: 5 Periods

Unit –IV : Menu

Types of Menu	: 5 Periods
French Classical menu & its courses	

CATERING & RESTAURANT MANAGEMENT
First Year
Paper - II Practical
FOOD AND BEVERAGE SERVICE

Marks : 60

Total Periods : 50 x 3 = 150

Description and Drawing of Table equipment with sizes

- Cutlery
- Crockery
- Furniture
- Special equipment
- Mise-en-place
 - ❖ Cleaning and polishing restaurant equipment made of silver, glass, wood, copper, brass and steel, stain removal and cleaning linen,
 - ❖ Laying and arrangement of side board
 - ❖ Laying and relaying of tablecloth
 - ❖ Laying and relaying of covers
 - ❖ Napkin folding, Demonstration & practice
 - ❖ Serving the Meal, welcoming & seating a guest
 - ❖ Presentation of Menu
 - ❖ How to take and record an order
 - ❖ Service of breakfast, table cover and service for different types of breakfast.
 - ❖ Service of beverages, hot beverages
 - ❖ Cold beverages & juices, aerated water & squashes, mineral water.

CATERING & RESTAURANT MANAGEMENT
Second Year
Paper – III Theory
FOOD Preparation

(MARKS - 40)

Total Periods - 40

Unit – I : Food Commodities

Brief Knowledge of perishable and Non-perishable food materials Selection, storage	:	5 Periods
Salads and salad dressing Classification and types of salads, parts of salad Different classical salads, salad dressings.	:	5 Periods

Unit – II : Regional Cuisine of India

Odia, Bengal, Awadh, Mughlai, Hyderabad, Kashmir, Gujarati, Maharastrian, Punjabi, South India, Indian Bread, Sweets and Snacks.	:	15 Periods
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Unit – III : Basic Bakery

Basic principles of baking	:	1 Period
Different types of bread and methods of preparation, faults and remedies	:	2 Periods
Different types of cake, preparation, faults and remedies	:	2 Periods

Unit – IV : Chinese Cooking

Basic Chinese cooking	:	5 Periods
Accompaniments and Garnishes, Convenience foods	:	5 Periods

CATERING & RESTAURANT MANAGEMENT

Second Year

Paper - III Practical

FOOD PREPARATION

Marks : 60

Total Periods : 50 x 3 = 150

INDIAN

Tan door Items:

- Breads : Naan, ratis, raomalies
- Fish - 3 varieties (including, tikkas, masala stuffed fish)
- Cakes : different types of breads: plain bread, enriched bread (different shapes), crusty
- bread
- Cakes : sponge, Madeira cake, angel cake, fruit cake, chocolate cake, and swish raol
- Icings - Butter and glazed, Biscuits/ cookies-4 varieties

CHINESE

- Soups -4 varieties, Noodles & rice-4 varieties, Chicken & meat -4 varieties, Fish - 4 varieties

WESTERN

- Soups - Consomme-3 Varieties, Salad-3 decorative Salads, Sweets- Pan Cake

N. B. : Each class consists of 3 periods

- 10 Indian menu,
- 10 Chinese menus, 10- Western
- With demonstrations and guided practice

CATERING & RESTAURANT MANAGEMENT**Second Year****Paper - IV Theory****FOOD AND BEVERAGE SERVICE****Total Periods – 40****Unit - I :Non Alcoholic Beverages**Non-Alcoholic Beverages, Classification, Stimulating : **5 Periods**

Nourishing, Refreshing .Tea-Types and Preparation,

Coffee-Types and preparation : **5 Periods****Unit – II : Alcoholic Beverages & its ill - effects**Alcoholic Beverages, Introduction, Classification : **5 Periods**

Wines -Types, general Manufacture, Service,

Beer- Manufacture, types, storage, service : **5 Periods**

Alcoholic Beverages and its ill – effects.

Unit – III : Bar Operation and BanquetBar operation, Main Bar, Dispense Bar, equipment required. : **5 Periods**

Types of Banquets, Sitting arrangements,

Service in different types of banquets : **5 Periods****Unit – IV : Catering Services**Buffet, types of Buffet : **5Periods**Buffet menu, Outdoor Catering ,check lists, KOT : **5 Periods**Types of breakfast, High Tea menus : **5 Periods**

CATERING & RESTAURANT MANAGEMENT

Second Year

Paper - IV Practical

FOOD AND BEVERAGE SERVICE

Marks-40

Total Periods-50x3=150

Revision of Mise-en-place, serving Meals, Napkin folds

- Service of Alcoholic drinks
- Presentation of menu
- Order taking practical for alcoholic beverages
- Service of wine & Beer (presentation, opening wine & Beer bottle and service)

Restaurant Organisation - Plan a Project on Kitchen Equipment.

- Banquets
- Drawing of table plans, Sitting arrangements and service for different types of banquets/function
- Buffets
- Drawing of layout for different types of buffets: wedding reception, tea and dinner buffets with different stations

PARAMEDICAL HEALTH CARE (PHC)

First Year

PAPER – 1

Theory - 40

Unit - I : Human Anatomy

❖ Introduction to Anatomy

- Different parts of Human Body,
- Anatomical position, Directional terms, Common anatomical places
- Systemic and regional anatomy

❖ Histology

- Typical animal cell-structure and functions
- Tissues of the body classification and function

❖ Skeletal System

- Bones of the skull, vertebral column, shoulder girdle, thoracic cage and pelvic girdle
- Bones of the limbs
- Joints and movements

❖ Muscular system

- Types of muscles
- Principle muscles of the body; tendons, fascias

Unit - II : Nervous system

- Central nervous system, Brain meninges, CSF, Spinal cord
- Peripheral nervous system cranial, spinal nerves system,
- autonomic nervous system
- Sympathetic and para sympathetic

- ❖ Cardiovascular system
 - Heart
 - Blood Vessels
- ❖ Lymphatic and RE system, Spleen
- ❖ Respiratory system
 - Nose, Pharynx, Larynx, Tonsils
 - Trachea, Bronchi
 - Lungs and Pleura
- ❖ Alimentary System
 - Mouth and Oesophagus,
 - Stomach,
 - Pancreas, liver and gall bladder
 - Intestines, peritoneum
- ❖ Urinary system
 - Kidneys
 - Ureter, urinary bladder and urethra
- ❖ Reproductive System
 - Male genital system
 - Female genital system and accessory organs
- ❖ Skin
- ❖ Special Senses
 - Eye and vision
 - Ears and hearing equilibrium
 - Taste, Smell, General Sensibility Viz. touch etc. surface anatomy'

Unit - III : Head and neck

- Thorax{Heart and lungs) and abdomen (Stomach, Spleen liver, kidney and bladder)
- Places and regions of abdomen and location of different organs in stomach
- Surface marking of important blood vessels, nerves and muscles for injection

Unit-IV : Human Physiology

❖ Blood

- Composition and general functions of blood
- Description of blood cells- normal counts and functions steps of coagulation
- Anticoagulants
- Cerebrospinal fluid, formation, composition and function, Blood groups ABO and RH basis for classification, importance of blood groups, compositions and functions of lymph

❖ Respiratory System

- Name and structures involved in respiration and their function. External and internal respiration
- How inspiration expiration are brought about
- Transport of O₂ and CO₂ in the blood
- Definition of respiratory rate, Tidal volume, vital capacity
- Hypoxia

❖ Excretory System

- Functions of kidney
- Nephron - functions of glomerulus and tubules, Composition of Urine, normal and abnormal

❖ Skin

- Functions of skin

❖ Digestive Systems

- Composition and functions of saliva, mastication and deglutition
- Functions of stomach, composition of gastric juice, pancreatic juice
- Bile and success enteritis
- Digestion of food by different enzymes, absorption and defection

❖ Endocrine - glands

- Definition of endocrine gland, name of the endocrine glands and the hormones secreted by them
- Major actions of each hormone
- Reproductive system
- Name of primary and accessory organs in male and female
- Name of secondary sexual characters in male and female
- Functions of ovary-formation of ova, actions of ovarian hormones, Menstrual cycle
- Function of Testis - Spermatogenesis and actions of Testosterone, Fertilisation
- Vasectomy and Tubectomy

**PARAMEDICAL HEALTH CARE (PHC)
FIRST YEAR**

Paper - I Practical

Marks : 60

Units

- Exhibition of Human Anatomy and identification report.
- Cleansing of glasswares (Pipettes, slides, and cover slips, syringes and needles, blood cell diluting pipettes, glassware used for bacteria investigation)
- Making simple glass items in the laboratory (pasteur pipette, stirring bending glass and preparing a wash bottle)
- Demonstration of use and care of instruments, cautions precautions to be taken
- Demonstration of safety measures during work in laboratory in various fields

PARAMEDICAL HEALTH CARE (PHC)

Paper – II (Theory)

Marks : 40

Unit-I : Laboratory Management and Ethics

- ❖ Role of laboratory in health care deliver
 - General
 - Human health and diseases
 - Types of diseases
 - Process of diagnosis
 - Laboratory at different level
 - Duties and responsibility of laboratory persons
- ❖ Laboratory services in the health delivery system
 - Laboratory service in India
 - The health administration system in India
 - At the National level
 - At the state level
 - At the district level
 - At the village level
 - Voluntary health organisations in India
 - Health programmes in india

Unit - II : Laboratory Planning

- General principles
- Laboratory goals
- Operational data

- Market potential
- Hospital/laboratory relatives
- Competitions
- Laboratory trends

Unit - III : Planning at different levels

❖ Hospital laboratory services

- Factors
- Guiding principles for planning
- Functions criteria
- Operational demand
- Sections of a hospital laboratory
- Common areas
- Design aspect
- Space requirement

❖ Planning for 3 basic health laboratory

Unit - IV

- Health and Sanitation
- Disease Prevention & Community Organisation

PARAMEDICAL HEALTH CARE (PHC)

Paper – II (Partical)

Marks : 60

Units

- Demonstration of safe handling of specimens and infections agents including HBs Ag (Hepatitis) and AIDs (HIV)
- Specimen handing collection, preservation, transportation, disposal
- Laboratory safety and First Aid
- Biomedical waste Treatment.
- Computer application
- Study of Community Health Awareness programme (Any Five Programmes)

**PARAMEDICAL HEALTH CARE (PHC)
Second Year
Paper – III (Theory)**

Theory - 40

**Unit-I
Biochemistry**

**Unit - I : Inorganic and physical aspects of biochemistry, structure of atoms,
symbol, valency and formula**

- Chemical units- Atomic weight, molecular weight, gram mole
Equivalent weight, gram equivalent
- Fundamental laws of Chemistry
- Acids, bases and salts
- Hydrogen concentration and pH Measurement - Indicators and pH
meter
- Buffers, preparation
- Solutions - solute and solvent, saturated solutions, solubility Temp.
effects
- Concentrations of solutions in different ways viz molar normal
percentage etc.
- Simple qualitative analysis - cations Anions
- Volumetric (Titrimetric) analysis
- Primary and secondary standards
- Acid-base titrations, permanaganometry
- Rules in volumetric analysis
- Isotopes definition/examples/uses

Unit - II : Chemistry of Bimolecular - carbohydrates, lipids, amino-acids, proteins, nucleic acids, Vitamins

- ❖ Isotopes

Unit - III : Clinical Biochemistry

- Bioenergetics - Respiratory Chain, Oxidative, Phosphorylation
- Overview of Metabolism
- Carbohydrate Metabolism
 - Glycolysis and TCA cycle
 - Blood glucose homeostasis
 - Measurement of blood glucose
 - Glycosuria, Diabetes mellitus
- Lipid Metabolism
 - Cholesterol
 - Triglycerides
 - Lipoproteins
 - Ketone bodies - formation, ketosis, ketonuria
- Amino acid & Protein metabolism
 - Urea synthesis - uremia
 - Other non operation nitrogenous compound like vaginate uvicacid
 - Biochemical veactions of aminoacids Transamination, deamination
 - Synthese of physiologically important substances from aminoacids

Unit - IV

- Metabolic inter-relationships
- Principles of inborn errors of metabolism
- Water, Na+K=and Cl, Bicarbonates, Acid Base Balance, calcium and Phosporous
- Role and iron, Iodine and other Trace elements

PARAMEDICAL HEALTH CARE (PHC)

Paper - III (Practical)

Marks : 60

- Visit of a pathological laboratory and submission of a report analysis of pathologic test with the help of a computer
- Analysis of CBC, Lipid Profile, Vitamin D, Calcium

PARAMEDICAL HEALTH CARE (PHC)

Paper – IV (Theory)

Marks : 40

Unit - I General Principles of Laboratory Technology

- Role of laboratory in health care delivery - human health and diseases
- Role of laboratory in diagnosis of disease in health delivery system
 - Duties and responsibility of laboratory personal
- Laboratory services in the health delivery system in India
- Laboratory planning
 - General principles
 - Laboratory goals
 - Operational date
 - Guiding principles for planning hospital laboratory services particularly for basic health laboratory

Unit – II : Laboratory organization

- General principles
- Components and functions of a laboratory
- Staffing the laboratory
- Job description- job specifications
- Work schedule- personal rearrangement and work load assessment
- Care of laboratory glassware, equipments and chemicals verbal
- Different types of glassware and plastic ware
 - Care and cleaning of glass wares
 - Making simple glasswares in the laboratory
 - Care of equipments and apparatus
 - Laboratory chemicals, their proper use and care, storage
 - Labeling
- Specimen handling
 - Collection techniques and containers for specimen collection
 - Types of specimen

- Entry, handling
- Specimen transport
- Specimen disposal
- Specimen preservation

Unit – III : Laboratory safety

- General principles
- Laboratory hazards
- Safety programme
- First aid
- Safety measure - mechanical, electrical, chemical, Biological & radioactive
- Communication: Personnel Development and Relations, general principles
 - Inter/intra departmental communications request/report forms
- Basic Principles of quality control
 - General Principles
 - Non-analytical functions
 - Request specifications
 - Specimen specification
 - Distribution of tests
 - Analytical function
 - Methods, equipment, reagents and material controls, proficiency testing
 - Materials management
 - General principles

- Basic Medical Nursing

Unit. IV : Clinical Pathology

- Urine analysis
 - Physical, Chemical, Microscopic
- Faecal analysis
 - Physical
 - Chemical- Occult blood exam.
 - microscopic
- Sputum analysis - physical and microscopic
 - Seminal Fluid analysis
 - Examination of aspiration fluid
 - Ascitic fluid
 - Pleural fluid
 - CSF
 - others
- Pregnancy tests

PARAMEDICAL HEALTH CARE (PHC)

Paper – IV Practical

Marks : 60

Units

- Routine analysis of urine
- Examination of sputum
- Seminal fluid analysis
- Analysis of aspiration fluid
- Pregnancy test - urine for HCG
- FISH – Fluorescence in Sites hybridization
 - PCR – Polyclonal Chain reaction
 - CD41CD8 Level
 - Flow Cytometry
 - Immuno histochemistry (IHC)
 - ELISA
 - Electrophoresis
 - ❖ Hb
 - ❖ Serum

MICROBIOLOGY AND SEROLOGY
First Year
Paper - I Theory

Marks : 40

Unit – I

- **Introduction of Microbiology**
 - History, scope and definition
 - Microbes and their classification
 - Bacteria
 - Nutritional and growth requirements
 - Bacterial genetic & drug resistance
 - Bacterial infection and pathogen city
 - Culture media, their preparations & uses

Culture methods and identification of bacteria.

- Collection of clinical specimens for microbiological investigations.
- Sterilisation and disinfection :
(Physical, Chemical and Mechanical Methods, Sterilisation of syringes, glasswares etc. and disposal of contaminated media and other materials)

Unit – II

Laboratory Investigation in Bacteriology

- Uses of common laboratory equipments
- Different microscopes incubator, Refrigerators & Deep Freeze, Hot air oven, autoclave, Inspissator, Incinerator, Bacterial filter, water bath, VDRL rotator, anaerobic Jar Centrifuge, Vacuum Pump, media pouring chamber, Elisa reader etc.

- Methods of laboratory investigations
- Study of morphology
(Hanging drop preparation and various staining procedures simple, differential and special stains)
- Different techniques of inoculation into culture media, sub-culture and maintenance of stock culture.
- Anaerobic cultivation
- Culture of various clinical specimens in the Laboratory
- Isolation and identification of Bacteria
(Culture Characters, biochemical reactions, serotyping and special tests)
- Antimicrobial sensitivity tests
- Study of epidemiology and use of transport media
- Bacteriological examination of water and milk etc.

Unit – III

(a) Systemic Bacteriology

- Cocci : Gram positive (Staphylococci, Streptococci Pneumococci etc.), Gram negative (Neisseria group –Gonococci, Meningococci)
- Bacilli : (Gram positive and gram negative bacilli)
 - ❖ Corynebacterium
 - ❖ Clostridium
- Nonsporing anaerobes
 - ❖ Enterobacteriaceae
(E. coli, Klebsiella & Coliforms, Proteus, Salmonella, Shigella etc.)
- Pseudomonas

- Pasteurella, Yersinia, francisella
- Haemophilus Bordetella & Bovcella (Mycobacteria, tuberculosis, M Leprae etc.)
- Miscellaneous bacteria
- Spirochaets (Treponema, Leptospira and Borrelia etc.)
- Actinomycetes
- Rickettsiaceae
- Chlamydia

(b) Medical Mycology

- Classification & Morphology of common pathogenic fungi of medical importance and diseases produced by them
- Laboratory diagnosis including culture of pathogenic fungi.

Unit –IV

Immunology and Serology :

- Immunity – Basic principles & classification
- Structure & functions of Immunue system and Immune response
- Antigens, Antibodies (immunoglobulins) and complement system
- Antigen – Antibody reactions
(Agglutination, Precipitation, Complement fixation Nutralisation etc. and their applications in the diagnosis of disease)
- Hypersensitivity (classification & skin tests used in diagnosis)
- Auto immunity
- Immunology of Transplantation malignancy
- Immunohaematology
- Immunodeficiency diseases including AIDS
- Immunoprophylaxis and Immunisation schedule
(Vaccines classification & uses)

MICROBIOLOGY AND SEROLOGY

First Year

Paper - I Practical

Marks : 60

Units

- (i) Heamatology
- (ii) Immunoheamatology
- (iii) Blood Transfusion
- (iv) Histotechnology

MICROBIOLOGY AND SEROLOGY

First Year

Paper- II Theory

Marks : 40

Unit – I

Parasitology

- Introduction to Parasitology and classification of parasites of medical importance.
- Intestinal and tissue protozoa
- Malarial parasites
- Trypanosomes
- Leishmanial Parasites
- Tapeworms
- Flukes of liver, intestinal tract and lungs
- Schistosomes
- Intestinal nematodes
- Filarial worms and other tissue nematodes
- Insect vectors and medical importance
(Flies, mosquitoes, fleas, bugs, lice, cockroaches) and Arachnids (ticks, mites, spiders, scorpions etc.)
- Zoonosis – their importance for human infections

Unit – II

Virology

- General characters of viruses, classification, virus culture and isolation procedures.
- Common viruses of medical importance
- DNA viruses
(Pox viruses, herpes viruses, Adenoviruses, Papovaviruses etc.)
- RNA viruses
(Toga viruses, Reoviruses, Bunya viruses, Arboviruses, rhinoviruses, Rhabdoviruses, paramyxoviruses and orthomyxoviruses, Coronaviruses, retroviruses)
- Miscellaneous Viruses
(RNA & DNA viruses – Hepatitis)
- Oncogenic viruses
- HIV viruses and AIDS
- Collection and Transport of Virological specimens
- Laboratory diagnosis of viral infections

Unit – III

Clinical Microbiology

- Collection and transport of clinical specimens
- Collection and preliminary processing of clinical specimens
- Diagnostic Microbiology an approach to laboratory diagnosis of various infective syndromes
- Normal microbial flora of the human body
- Bacteraemia, Pyaemia and Septicaemia

- Pyrexia of unknown Origin (P.U.O.)
- Respiratory tract infections (Sore throat, pneumonitis, Pulmonary tract infections)
- Wound Infections
- Meningitis
- Encephalitis
- Infective diarrhea
- Food poisoning
- Nosocomial infections
- Opportunistic infections

Unit – IV

Animal Care

- Handling, feeding and breeding of laboratory animals
- Maintenance of sanitation and cleaning of cages
- Common Animal Inoculation tests for diagnosis of diseases
- Procedures for drawing blood
- Post-mortem and safe disposals

MICROBIOLOGY AND SEROLOGY

First Year

Paper - II Practical

Marks : 60

Units :

- (i) Parasitology
- (ii) Clinical Microbiology
- (iii) Virology
- (iv) Animal Care

MICROBIOLOGY AND SEROLOGY

Second Year

Paper - III Theory

Marks : 40

Unit – I

Histotechnology

- (a) Introduction
- (b) Cell Tissues and their function
- (c) Methods of examination of tissues and cells

Unit – II

Fixation of Tissue

- (a) Classification of fixatives
- (b) Simple fixative and their properties
- (c) Tissue Processing
 - (i) Collection of specimen
 - (ii) Labelling and fixation
 - (iii) Dehydration
 - (iv) Clearing
 - (v) Impregnation
 - (vi) Embedding
- (d) Section Cutting
 - (i) Microtomes and microtome knives – sharpening of knife
 - (ii) Techniques of section cutting
 - (iii) Mounting of sections
 - (iv) Frozen section

- (e) Staining
 - (i) Dyes and their properties
 - (ii) Theory of staining
 - (iii) Staining techniques with haemotoyline and eosin
 - (iv) Mounting of sections
 - (v) Common special stains

Unit - III

Decalcification

- (i) Fixation
- (ii) Decalcification
- (iii) Detection of end point
- (iv) Neutralization and processing

Unit - IV

- (a) Exfoliative Cytology & Fine needle aspiration cytology
 - i. Types of specimens and preservation
 - ii. Preparation and fixation of smears
 - iii. Papanicolaous starting technique / MGG staining / HE
 - iv. Sex chromatin staining
- (b) Museum Techniques
 - (a) Reception of specimen
 - (b) Preparation of fixation
 - (c) Preservation
 - (d) Presentation
 - (e)
- (c) Autopsy techniques
 - (a) Assisting in autopsy
 - (b) Preservation of organs and processing of the tissue
- (d) Waste disposal and safety in laboratory

MICROBIOLOGY AND SEROLOGY

Paper – III Practical

Units

- (i) Fixation, staining
- (ii) Section cutting, mounting of sections
- (iii) Decalcification
- (iv) Exfoliative cytology

MICROBIOLOGY AND SEROLOGY

SECOND YEAR

PAPER – IV THEORY

Marks : 60

Unit – I

Museum Study

- (i) Necessity of Museum & Museum techniques
- (ii) Preservation & storage of specimen
- (iii) Arrangement & Display
- (iv) Proper care & maintenance

Unit – II

Laboratory Management and Ethics

- 1. Role of laboratory in health care delivery
 - (a) General
 - (b) Human health and diseases
 - (i) Types of diseases
 - (ii) Process of diagnosis
 - (c) Laboratory at different level
 - (d) Duties and responsibility of Laboratory persons
- 2. Laboratory services in the health delivery system in India
 - (a) Laboratory services in India

Unit – III

The health administration system in India

- (a) At the national level
- (b) At the state level
- (c) At the district level
- (d) At the village level
- (e) Voluntary health organization in India
- (f) Health programmes in India

Unit – IV

- (a) Laboratory Planning
- (b) Laboratory goals
- (c) Planning at different levels
- (d) Guiding principles for planning hospital laboratory services
- (e) Planning for 3 basic health laboratory

MICROBIOLOGY AND SEROLOGY

Paper – IV Practical

Units

1. Necessity of Museum
2. Preservation and storage of specimen
3. Arrangement and display
4. Proper care and maintenance

VISUAL ART

The programme of vocational Visual Art in different trade subjects is designed to emphasize upon the professional aspects, development of individual techniques and enhancement of the artistic skill.

There are five trade subjects in Visual Art and each trade subject consists of four papers (Paper – I, II, III, IV) and each paper has both theory and practical components. These papers will be covered in two years like (1st Year : Paper- I and Paper-II; 2nd year Paper – III and Paper – IV)

Each theory paper will be of 40 marks and each practical paper will be of 60 marks.

Students of Visual Art will have to opt for any one of the mentioned trade subjects, which will be taught / covered in two years as specified above.

- (i) Painting
- (ii) Graphic Art
- (iii) Applied Art
- (iv) Modelling and Sculpture
- (v) Traditional Art and Crafts

Paper - I in 1st year and Paper – III in 2nd year are common / compulsory for all students enrolled for Visual Art

VISUAL ART

(Paper I for 1st Year and Paper III for 2nd Year are Compulsory)

Visual Art

FIRST YEAR ART THEORY

PAPER – I

FUNDAMENTALS OF ART

(Compulsory for all trades in Painting, Graphics, Applied Art, Modelling and Sculpture and Traditional art and crafts)

Marks: 40

- Unit - I What is Art and types of Art.

 Line, Form, Shape, Space, Rhythm, Balance (Formal and informal balance)
- Unit-II Composition, Perspective, Proportion, Tone, Texture, Light and Shade.
- Unit-III Pre-Historic cave Art (Altamira and Lascaux)
- Unit-IV Rock cut Architecture of Odisha (Khandagiri and Udayagiri)

Practical (Paper - I)

1ST YEAR

COMPULSORY FOR ALL TRADES

Marks: 60

1. Still life and antique study in pencil
2. Drawing from human figure based on general forms and gestures.
3. Outdoor study of Nature, Animal, Bird, Flower and foliage in pencil and ink.
4. Composition - Academic and creative composition on geometric form, natural forms, subject of everyday life in pencil, oil pastel and water colour.

FIRST YEAR THEORY

PAINTING

PAPER-II

(Life History of Indian Artist and different Art and Crafts)

Marks : 40

- Unit - I Methods and material, Technique of oil and water colour painting.
 Indian Miniature Painting (Kangra and Basoli painting)
- Unit - II Ajanta and Ellora
- Unit - III Contemporary Art of India (Manjeet Bawa, M.F. Hussain)
- Unit - IV Works and painting of famous Indian artist and life history of Raja Rabi
 Verma and Nandalala Bose.

FIRST YEAR PRACTICAL

PAINTING

PAPER -II

Marks: 60

- (a) Drawing from old master copy. Still life and Antique study in pastel and water colour.
- (b) Study (outdoor) Study from nature. Human figure Animal, Birds, Flower and foliages in Pastal and water colour.
- (c) Composition, Creative Composition based on geometrical forms natural forms, subjects from everyday life in pencil, Crayon, Pastel and water colour.
- (d) Drawing and sketches from nature and everyday lives.

1ST YEAR THEORY

GRAPHIC ART

PAPER - II

Marks: 40

- Unit - I Methods and Materials, Processing and Printing.
Serigraphy, Stencil process, Engraving, Woodcut, Linocut.
- Unit - II Art of Sunga Period (Sanchi and Bharhut)
- Unit - III Art of Gupta Period.
- Unit - IV Works and paintings of famous Indian artist and life history of V. Nag
Das and Haren Das.

1ST YEAR PRACTICAL

GRAPHIC ART

PAPER - II

Marks: 60

1. Study Still life, Antique study In Pencil monochromic water colour drawing.
2. Outdoor study from nature, Human, Animal, Birds, Flower and foliage in mix media and monochromic water colour.
3. Creative Composition in paper cut B/W with light and shade.

1st Year Theory

APPLIED ART

(Paper -II)

Marks: 40

- Unit - I Applied Art and Fine Art.
Photography, Lettering and Typography.
- Unit - II Importance of Advertisement, Book cover design, Poster and Leaflet.
- Unit - III Art of Kushan (Mathura and Gandhara).
- Unit - IV Works and painting of famous Indian artist and life history of M.F. Hussain and R.K. Laxman.

1st Year Practical

APPLIED ART

(Paper - II)

Marks: 60

1. Drawing from old master, still life Antique monochromic, study of various types of object.
2. Nature study land scape, different types of action and expression of Human and Animal figure in multi Colour or transparent and opaque.
3. Calligraphy and Typography.
4. Book Cover, Magazine Cover, Book let and illustration.
5. Painting and lettering of poster design in simplification form.

1st Year Theory
MODELLING & SCULPTURE
(Paper -II)

Marks: 40

Unit - I What is Sculpture? Differentiate between two dimension and three dimensional sculpture.

Types of Sculpture (Low relief, High relief, Round and Monumental Sculpture).

Unit - II Armature fixation, carving and casting.

Unit - III Buddhist Stupa of Amaravati.

Unit - IV Works and painting of famous Indian artist and life history of D.P. Raychoudhury and Ramkinkar Baij.

1st Year Practical
MODELLING & SCULPTURE
(Paper -II)

Marks: 60

1. Composition of human figure.
2. Composition Animal figure.
3. Various types of fruits and Flower and foliage in clay.
4. Copy from Temple Sculpture in drawing with pencil and clay.

1st Year Theory
TRADITIONAL ART & CRAFT
(Paper - II)

Marks: 40

- Unit - I Traditional Art and Folk Art. Different types of Folk Art and Crafts.

 Cave paintings of Ajanta and Ellora.
- Unit - II Mauryan Symbolic Art.
- Unit - III Art of Gupta period.
- Unit - IV Works and painting of famous Indian artist and life history of Jamini
 Roy and Amrita Shergil.

1st Year Practical
TRADITIONAL ART & CRAFT
(Paper - II)

Marks: 60

1. Pillow Cover in threads embroidery.
2. Patta painting of Odisha in simplification.
3. Copy of Patta painting of Odisha.
4. Folk Art painting of Odisha.
5. Indian painting drawing in multi colour in simple subject.

VISUAL ART

2ND YEAR

FUNDAMENTALS OF ART & AESTHETICS

PAPER – III, THEORY

COMPULSORY FOR ALL TRADES

(Painting, Graphic Art, Applied Art, Modelling and Sculpture, Traditional Art and Crafts)

Marks: 40

Unit - I Colour - Primary, Secondary, Transparent and Opaque colour. Colour contrast and harmony, cool colour and warm colour.

Sketching, Drawing and Painting.

Unit - II Naba Rasa in Indian Aesthetics.

Unit - III Indus Valley Civilization.

Unit - IV Fresco and Mural Painting

2nd YEAR

(Paper - III) Practical

COMPULSORY FOR ALL TRADES

Marks: 60

1. Drawing from old master, still life and Antique study in pastel, water colour and pen and ink.
2. Study from nature, Human, Animal, Bird, Flower and Foliages'
3. Creative Composition in water colour / Acrylic colour.
4. Paper cut B/W in light and shade.

2nd Year Theory

PAINTING

(Paper - IV)

Life History of Odishan Artist and different Art and Crafts

Marks : 40

- Unit - I Patta painting of Odisha and Bengal.

 Murals of Biranchi Narayan Temple.
- Unit - II Cave Art of Odisha
- Unit - III Western Art - Cubism and Dali in Surrealism.
- Unit - IV Works and painting of famous Odishan artist and life history of
 Bimbadhar Verma and Gopal Kanungo.

2nd Year Practical

PAINTING

(Paper - IV)

Marks: 60

- (a) Oil colour composition of Temple study, nature study.
- (b) Water colour Composition Antique models. Historical monuments.
- (c) Drawing and Sketches from outdoor and indoor in Geometrical forms.

2nd Year Theory

GRAPHIC ART

(Paper - IV)

Full Marks: 40

- Unit - I Rabanchhaya of Sitabinji.

 Temples of Odisha - Konark and Mukteswar Temple.
- Unit - II Paintings and Graphics of Leonardo-da-Vinci and Durer.
- Unit - III Western Art - Cubism in Art.
- Unit - IV Works and painting of famous Odishan artist and life history of Binod
 Routray and Ajit Keshari Roy.

2nd Year Practical

GRAPHIC ART

(Paper - IV)

Marks: 60

1. Paper cut in B/W with light shade of various forms of Human & animal.
2. Paper cut of landscape and Nature study.
3. Lino cut and Wood cut.
4. Composition of daily life in wood cut in B/W colour.
5. Study of human figure in pen and ink.

2nd Year Theory

COMMERCIAL ART / APPLIED ART

(Paper - IV)

Marks: 40

- Unit - I Communication in Art.
Trade fair and exhibition.
- Unit - II Western Art - Impressionism.
- Unit - III Odishan Temple Art (Konark, Puri Jagannath and Rajarani Temple).
- Unit - IV Works and painting of famous Odishan artist and life history of Asit Mukharjee and Asim Basu.

2nd Year Practical

COMMERCIAL / APPLIED ART

(Paper - IV)

Marks: 60

1. Poster design in multi colour.
2. Advertisement of Companies of their Production with slogan and thoughts.
3. Multi colour Advertisement copies from old master.
4. Copy from old master Painting design.

2nd Year Theory
MODELLING & SCULPTURE
(Paper - IV)

Marks: 40

- Unit - I Odishan temples sculpture and Architecture.

 Sculpture of Mathura and Gandhara School of Art.
- Unit - II Western Sculpture - Pieta, David, Venus, Laccon Group.
- Unit - III Knowledge of making sculpture in clay, terracotta, cement and plaster
 of Paris.
- Unit - IV Works and paintings of famous Odishan artist and life history of Bipra
 Charan Mohanty and Padmabibhusan Rahunath Mohapatra.

2nd Year Practical
MODELLING & SCULPTURE
(Paper – IV)

Marks: 60

1. Composition in clay relief.
2. Composition plaster of paris in relief work.
3. Drawings from old master in cement and plaster of paris.
4. High relief work of land scape, Composition in plaster, cement and plaster of
 paris.

2nd Year Theory
TRADITIONAL ART & CRAFTS
(Paper - IV)

Marks: 40

- Unit - I Odishan Patta and Palm leaf Painting.

 Ravanchhaya of Sitavinji.
- Unit - II Biranchi Narayan Temple.
- Unit - III Art of Renaissance - Michael Angelo and Leonado-Da-Vinchi.
- Unit - IV Works and paintings of famous Odishan artist and life history of Binod Kumar Moharana and Durga Prasad Das.

2nd Year Practical
TRADITIONAL ART & CRAFT
(Paper - IV)

Marks: 60

1. Tailoring & Embroidery work.
2. Chandua Aplique work.
3. Terracotta works.
4. Patta Painting.
5. Paper Mask.

**PERFORMING ARTS
CHHOW DANCE
FIRST YEAR
Paper – I (Applied Theory)**

Marks-40

Unit - I

Basic Knowledge of construction of body to be a dancer

- | | |
|--------------------------|-----------------|
| (i) Danda – | Five categories |
| (ii) Baithaki – | Two Types |
| (iii) Nuana or bending – | Three types |

Unit - II

Dehamaja

- (i) Khuua Pitaa
- (ii) Khua Majaa
- (iii) Peta Majaa
- (iv) Chatiaa Gadaa
- (v) Nuna Taulaa
- (vi) Pithi Chhataa
- (vii) Chhati Pitaa

Unit - III

Knowledge of Yogasana

- (a) Sarbaangaasan
- (b) Halaasan
- (c) Karnspidasan
- (d) Bhujangaasan 1,2,3
- (e) Paschimotanasan
- (f) Shirasasa
- (g) Garudasan

Unit - IV

Basic stance of Chhow Dance

- (a) Chauka
- (b) Dharana

FIRST YEAR

Paper - I (Practical)

Marks : 60

Unit - I

Basic Knowledge of construction of body to be a dancer (One class & two consecutive periods)

- (i) Danda – Sadhadanda, Pitadanda, Gala danda, Chakra danda, Dehenkia danda
- (ii) Baithaki – Sadha Baithaki, Jhula Baithaki
- (iii) Nuana : Aga Nuana, Pachha Nuana, Parshwa Nuana

Unit - II

Dehamaja (One class & two consecutive periods)

- (i) Khuaa Pitaa
- (ii) Khua Majaa
- (iii) Peta Majaa
- (iv) Chatiaa Gadaa
- (v) Nuna Taulaa
- (vi) Pithi Chhataa
- (vii) Chhati Pitaa

Unit - III

Knowledge of Yogasana (One class & two consecutive periods)

- (a) Sarbaangaasan
- (b) Halaasan
- (c) Karnspioasan
- (d) Bhujangaasan 1,2,3
- (e) Paschimotanasan
- (f) Shirasasan
- (g) Garudasan

Unit - IV

Practical of Basic stance of Chhow Dance : (One class & two consecutive periods)

- (a) CHAUKA
- (b) DHARANA

FIRST YEAR

Paper - II (General Theory)

Marks : 40

Unit - I

Basic Knowledge of ritusla of Chhow Dancer

- (i) Naadaa Bandha
- (ii) Bhairav & Bhairavi rituals
- (iii) Salami
- (iv) Different rhythm (Tal) used in this rituals
- (v) Knowledge about 'Jarjara' or Shubhabadi used before of performance.

Unit - II

Basic Knowledge about Origin of Chhow Dance

- (i) Ruk – Mar (Fari – Khanda)
- (ii) Amdadia – Jamdadia
- (iii) Kaji – Paji
- (iv) Chhaya

Unit - III

Opinion regarding origin of Chhow Dance

- (i) Chhauni
- (ii) Chhaichhatak
- (iii) Chhadma
- (iv) Chheuka

Unit - IV

Different types of Palata

- (i) Sadha Palata
- (ii) Adha Palata
- (iii) Ada Palata
- (iv) Ghura Palata

FIRST YEAR

Paper - II (Practical)

Marks : 60

Unit - I

Practice of Six Topkas (One class & two consecutive periods)

- | | |
|------------------|-------------------|
| (a) Sadha Topaka | (b) Lahara Topaka |
| (c) Dhev Topka | (d) Moda Topka |
| (e) Duba Topka | (f) Uska Topka |

Unit - II

Practice of Uffilis (One class & two consecutive periods)

- | | | |
|----------------|-----------------|------------------|
| (i) Gobar Utha | (ii) Gobar Gola | (iii) Chhada dia |
| (iv) Kharaka | (v) Chhunchadia | (vi) Basana Maja |

Unit - III

Gala (One class & two consecutive periods)

- (a) Sadha Gala
- (b) Usuka Gala
- (c) Thukar Gala
- (d) Chhalaka Gala

Unit - IV

Practice of Different types of Palata

- (i) Sadha Palata
- (ii) Adha Palata
- (iii) Ada Palata
- (iv) Ghura Palata

SECOND YEAR
CHHOW DANCE
Paper – III (Applied Theory)

Marks : 40

Unit - I

The Knowledge of Basic Uffilis (Sl.No.07 to 12)

- | | | |
|------------------|---------------------|-----------------|
| (i) Haldi Bata | (ii) Jhuntia Maajaa | (iii) Gadhua |
| (iv) Munhapochha | (v) Mathajhada | (vi) Sinthafada |

Unit - II

Bhramari of Ghura

- (i) Eka bhuda
- (ii) Dui Bhuda
- (iii) Tinibhuda
- (iv) Panch Bhuda
- (v) Saatabhuda
- (vi) Finga Ghura
- (vii) God Chhanda Ghura
- (viii) Chakra Ghura
- (ix) Pitaa Ghuraa

Unit - III

Knowledge of Dian/Dumuka

- (a) Ghoda Dhumukaa
- (b) Bagha Dunukaa

Unit - IV

Chamak

- (a) Khua Chamak
- (b) Chhati Chamak

CHHOW DANCE

SECOND YEAR

Paper – III Practical

Marks : 60

Unit - I

Practice of previous year Topkas and Uffilis: (One class consecutive 2 periods)

- | | | |
|------------------|---------------------|-----------------|
| (i) Haldi Bata | (ii) Jhuntia Maajaa | (iii) Gadhua |
| (iv) Munhapochha | (v) Mathajhada | (vi) Sinthafada |

Unit - II

Ghura (Practice) (One class consecutive 2 period)

- (i) Eka bhuda
- (ii) Dui Bhuda
- (iii) Tinibhuda
- (iv) Panch Bhuda
- (v) Saatabhuda
- (vi) Finga Ghura
- (vii) God Chhanda Ghura
- (viii) Chakra Ghura
- (ix) Pitaa Ghuraa

Unit - III

The Practice of Dian/Dumuka (One class consecutive 2 period)

- | | | |
|------------------|------------------|----------------|
| (a) Chheli Dian | (b) Harin Dian | (c) Seula Dian |
| (d) Ghoda Dumuka | (e) Bagha Dumuka | |

Unit - IV

Chamak (One class consecutive 2 period)

- (a) Khua Chamak
- (b) Chhati Chamak

CHHOW DANCE
SECOND YEAR
Paper – IV (General Theory)

Marks : 40

Unit - I

The knowledge of different parts of the body. ANGA / PRAYANG and UPANGA.

Unit - II

The basic knowledge of Abhinaya or expression. ANGIKA, VACHIKA, AHARYA and SATWIKI.

Unit - III

Natanveda extracted from four types of Abhinayas – NRITYA, NRITTA and NATYA

Unit - IV

Natyopati – According to Natyashastra.

SECOND YEAR
Paper – IV Practical

Marks : 60

Practice of following dance items

- (i) Udamchandi (solo)
- (ii) Nabarasika (Solo)
- (iii) Ranga Panda (duet)

DRAMA

The Courses of Studies

The Courses of Studies is designed to provide basic knowledge of the subject. It is a foundation course to introduce the vast field of theatre arts to the new comers.

+2 1st Year

Paper-1 Theory (INDIAN DRAMA)

Marks : 40

Unit - I

Classical Theatre

- i. Brief idea about famous “Natyashastra” and its author.
- ii. The origin of Indian Drama (Natyaoptatti)as mentioned in Natyasshasatra Ch-I
- iii. Performance of the first play in Dhwaja Utasav and use of “Jarjara” in Indian Classical plays.
- iv. Famous Classical dramatists and their notable works.

Unit - II

Traditional Theatre

- i. Minor and Major Traditional Festivals.
- ii. Theatre as a ritual of Traditional festival.
- iii. Definition of Traditional theatre.
- iv. Major traditional Theatre forms of Odisha.

Unit - III

Abhinaya

- i. Types of Abhinaya as per Natyashastra.
- ii. Abhinaya yantra-Identifying, Preparing the instrument.
- iii. Some ‘Dos’ and ‘don’ts’ as the acting instrument’s maintainance principles.
- iv. Acting through the whole body and acting only through Voice.

Unit - IV

Actor's Resources

- i. Actors Physical Preparation.
- ii. Knowing about Diction mechanism and its maintainance.
- iii. Mental Discipline and its importance. How it can be achived.
- iv. Understanding 'Talent' and learning the way to accure it.

Unit - V

Odishan Theatre

- i. Origin and development of Odishan Theatre.
- ii. Evolution of Odishan Rangamancha.
- iii. Performances of theatre and plays of pre-independent Odisha since 1877.
- iv. Proscenium Theatre of independent Odisha and origin of Naba-Natya-Andolan.

PAPER-1 PRACTICAL
ACTING AND PRODUCTION

Marks: 60

Unit - I

Body Flexibility

- i. Practice of Surya Namaskar, Sarvangasana, Karnapidasana, Uthitapadasana, Bhujangasana, Akarsana Dhanurasana, Ardha Chakrasana.
- ii. Practice of Breathing exercise- Anulom, Bilom, Kapalvati.
- iii. Practice of Severe Vocal notes and throwing of Voice.
- iv. Practice of stepping with Clapping(Rhythm).

Unit - II

Stage Mannerism

- i. How to stand, sit, walk, sleep, run, fall, kneel, and face the audience.
- ii. How to position actor's body on the stage.
- iii. Practice of different gestures and Postures in different modes like shouting, laughing, crying etc.
- iv. Individual improvisation with 5 'ws'.

Unit - III

Direction

Every student has to participate in the process of an Annual examination of story telling and play production which is to be directed by the internal examiner. Each participant will be accessed by both internal and external Examiner jointly.

DRAMA
Paper II Theory
(THEATRE ARCHITECTURE)

Marks : 40

Unit 1

History

- I. Origin and evolution of Set Design in Theatre.
- II. Definition of Stage and Auditorium.
- III. Scenic Design.
- IV. Stages of Natyashastra.

Unit - II

Parts of a Stage

- I. Stage Division and their forms.
- II. Different parts of a Proscenium stage.
- III. Stage units- Platforms, blocks, Curtains etc.
- IV. Importance of stage parts such as Orchestra pit, off stage Grid space, aprone stage etc.

Unit - III

Stage Lighting

- i. Origin and development of stage lighting.
- ii. OHM's-Law, Phase and neutral, Generation of electricity and its movement.
- iii. Pre-Cautionary measures of electricity.
- iv. Names of various types of wireless projection lamps and their functions.

Unit - IV

Handling Electricity in theatre

- i. Study of Connection and disconnection of electrical equipments.
- ii. Dissection of Drawing of stage lighting equipments (Projection lamps).
- iii. Function of projection lamp lenses, holder and reflectors.
- iv. Types of Dimmer board. Their function and their importance in a play production.

Unit - V

Aharyas

- i. "Aharya Abhinaya" s per Natyashastra.
- ii. Role of make up and Costume in a play.
- iii. Role of Set, light and Sound in a Play.
- iv. Relation between Aharya elements in a Play.

PAPER- II PRACTICAL

Marks: 60

Unit - I

Drawing and Designing

- i. Practice of Dots, different lines to prepare the student to draw a sketch.
- ii. Practice to enable the student to design the set plan, make up plan, costume plan, lighting plan etc. on papers.
- iii. Working on sketch, stage ground plan with symbols etc.
- iv. Practical knowledge about make up and Carpentry kits/ instruments/tools.

Unit - II

Preparatory Practice

- i. Practical knowledge of the Equipments and materials used for set making.
Practice of various types of Joints and making of flat.
- ii. Practical Dissection of different projection lamps and gather knowledge about its parts and their functions. Accruing knowledge about wires and fuse with their strength (potency).
- iii. Connection and disconnection of electrical and lighting equipments
- iv. Practical as an assistant to the dimmer board operator with all precautionary measures.

Unit - III

Execution

- i. Work as technical assistant, at the time of play productions to gather knowledge about technical implementation of specified technical subject like set, light, sound etc.
- ii. To observe the harmony of different theatrical aspects in a play through Design, Colour, texture & toning.

DRAMA
+2 Second Year
Paper - III Theory (INDIAN DRAMA)

Marks : 40

Unit – I

Classical Theatre

- i. Study of “Natya Shastra “ Ch-2
- ii. Study of “Purbaranga” karmas.
- iii. Parts of “Natyamandapa” and their Special use.
- iv. Types “Natyamandap” their measurements and construction process.

Unit - II

Modern Indian Drama

- i. Study of Odia Play “Bhata” by kabichandra Kalicharan Pattanayak.
- ii. Analytical study of the play and major character.

Unit - III

Actor’s Preparation

- i. Preparation of an Actor.
- ii. Advance use of ‘5 Ws’ in Acting.
- iii. Values of improvisation.
- iv. Improvisation within a group.

Unit - IV

Actor and the Stage

- i. Mental discipline of an actor.
- ii. Role of concentration and relaxation in the job of acting.
- iii. Styles and mannerism. Through Body and voice.
- iv. Tempo & Rythm in acting through various moods.
- v. Stage position

Unit - V

Theatre Masters : their work and style

- i. Mohan Rakesh
- ii. Dharmveer Bharati
- iii. Ganakabi Baishnab Pani
- iv. Gopal Chhotray
- v. Manoranjan Das
- vi. Bijay Mishra

Paper - III Practical
ACTING AND PRODUCTION

Unit - I

Mental Flexibility

- i. On the basis of a character of the play “Bhata”, student should practice to portray that character through imagination, imitation, improvisation.
- ii. Improvisation in group with proper harmony.
- iii. Some “Dos” and “Don’ts” of acting- the acting mannerisms.

Unit - II

Acting Variations

- i. Maintaining body steps and Gestures.
- ii. Maintaining vocal Pitch and talking style.
- iii. Playing with different languages.
- iv. Using hand set properties

Unit - III

Production

- Every student has to participate in the process of an annual examination play production, which is to be directed by the internal examiner. Each participant will be assessed by both internal and external examiner jointly.

Paper - IV Theory
THEATRE ARCHITECTURE

Marks : 40

Unit - I

Western Theatre

- i. Origin and evolution of Western theatre.
- ii. Journey of Passion Play from Egypt to Greece. The Birth of dynosius festival in Greece.
- iii. Primitive Theatre- Breeding of theatre elements within ignorance of mankind.

Unit - II

Craft and Design

Scenic Design

- i. Study of cross-section and Front Elevation.
- ii. Study of 8 essential Measurements.
- iii. Study of 12 essential Measurements.
- iv. Study of sight lining.

Unit - III

Stage & Set

- i. Knowledge about different types of stages like Open air, Proscenium, extended, acropoly, revolving etc.
- ii. Knowledge about different types of sets like suggested set, symbolic set, box set etc.

Unit - IV

Stage and Lighting

- i. Study of Good conductor, Bad conductor, insulator.
- ii. Difference in use of Different Projection lamps.
- iii. Different lightings such as straight lighting, source lighting, mood lighting and Glamour lighting.
- iv. Mood and Colour lighting

Unit - V

(a) Stage, Make-up and costume

- (I) Importance OF Geographical, Social and Financial background of Chracter in relation with make up and costume.
- (II) Importance of sketching and Cut-piece demonsration for make up & cosume

(b) Organisations associated with Dept. of Culture, Sangeet Natak Academy, Zonal Culture Centre, Indian Council for Cultural Relations, National School of Drama

- (i) Govt. Organisation
- (ii) Non-Govt. organisation

Paper - IV Practical

THEATRE CRAFT

Marks : 60

Unit - I

Plans

- i. Ground Plan of a Proscenium stage.
- ii. Model Making of a set.
- iii. Working drawing (Detail of Flats) of the same set.
- iv. Colouring the drawing and Model with a knowledge of Pigment Colours- Primary & Secondary.

Unit - II

Lighting & Sound

- i. Arrangement, Planning and Controlling of lighting equipment for a play production.
- ii. Addictive and deductive colour mixing with knowledge of Primary & Secondary Colour.
- iii. Knowledge of sound system-Equipment and their functions.

Unit- III

Make Up & Costume

- i. Selection / making of Costumes for a play considering Tone, Texture, Colour & Design.
- ii. Different types of make up- such as Straight make up, Realist make up, Stylised make up, Correction make up etc.
- iii. Work should be done through proper make up practice procedure.

**FLUTE / VIOLIN / SETAR (FLUIS)
+2 FIRST YEAR
Paper-I (Theory)**

**Marks : 40
(5 units x 8 marks)
Periods : 30**

UNIT – I

1. Characteristic feature of all the Prescribed Ragas.
 - (a) Allheya Bilawal
 - (b) Bhupali
 - (c) Kalyan
 - (d) Khamaj
 - (e) Kafi
 - (f) Durga
 - (g) Tilang
 - (h) Brindabani Sarang

Unit - II

1. Comparative Study of all the prescribed Ragas.

Unit –III

1. Shastriya Parichaya of all the prescribed Talas.
 - (a) Trital
 - (b) Jhamptal
 - (c) Roopak
 - (d) Ektal
 - (e) Kaharwa
2. Knowledge of writing following layakaries :-
Do gun, Tin gun, Chow gun

Unit-IV

1. Thekas of above prescribed Taals with Bhatkhande taallipi Paddhati.
2. Knowledge about the Indian Notation System.

Unit- V

1. Identification of Raag from Specific Swaras.
2. Knowledge of Masit Khani and Rajakhani Gat

FLUTE / VIOLIN / SETAR
FIRST YEAR
PAPER-I, PRACTICAL

Marks - 60

(One class of two consecutive periods daily)

Units

1. Demonstration of choice Raga.
2. Ten Alankaras in Bilawal Thaata in various jatis
3. Aroha in Ten Thaata
4. Raja Khani Gat with simple tans of all the Ragas prescribed in the applied theory paper - I
5. One musitkhani Gat with a lap Tan in the following Raagas
(a) Bhupati (b) Kalyan (c) Allheya Bilawal

Practical Examination**Mark 60****Time – 3 Hrs****Units**

- | | | |
|---|--|----------|
| 1 | Demonstration of choice Raaga | 20 Marks |
| 2 | Demonstration of Alankar in Bilawal Thaata in various Jatis | 10 Marks |
| 3 | Demonstration of Aroha in Ten Thaats | 10 Marks |
| 4 | Demonstration of a Rajakhani Gat with simple Taans in any prescribed Raags | 10 Marks |
| 5 | Demonstration of One Mastikhani Gat with alaap and taan in any Raag prescribed in this paper | 10 Marks |

FLUTE / VIOLIN / SETAR

FIRST YEAR

Paper - II Theory

Marks 40
Each Unit Carries 8 marks

Unit - I

1. Elementary knowledge of acoustics applied of music.
 - (a) Dhvani - It's varieties
 - (b) Nada - Its Varities
 - (c) Three qualities of Nada
(Pitch, Timber, Magnitude)

Unit - II

1. Knowlede about the Jaati of Taals.
2. Origin of Music

Unit -III

1. Definitions :-
Sangeet, Thaata, Raga, Tala, Saptak, Badi, Sambadi, Aroha Abaroha, Jati, Pakod
2. Knowledge of various Jaaties of Raga.

Unit-IV

1. Physical description of your own instrument.
2. Essay writing on a classical music evening.

Unit- V

- 1 . Life History of the following musicians.
 - (a) M. Hamed Ahed.
 - (b) Gajanan Nandi
 - (c) Mohini Mohan Pattnaik
 - (d) Tansen

**FLUTE / VIOLIN / SETAR
1ST YEAR
PAPER- II PRACTICAL**

Marks 60

UNITS

1. One masitkhani Gat with Alaap & Taan in following Raags.
2. Identification of Raagas (Raag Pehechan)
 - (a) Bhupali (b) Kalyan (c) Allheya Bilawal
3. Knowledge of the following talas with Dugun & Chaugun layakaries.
 - (a) Trital (b) Jhamptal (c) Roopak (d) Ektal (e) Kaharawa
4. Ability to play one Dhun based on any Raag prescribed in Paper - I
5. Oral Test of Theory (Applied and General)

Practical Examination

Marks: 60

Units

- | | | |
|---|--|----------|
| 1 | Oral test of Sastriay parichaya of all prescribed Raags mentioned in Paper - I | 20 Marks |
| 2 | Identification of Raags (Raag Pahachan) | 10 Marks |
| 3 | Demonstration of Taals with Dugun & Chougun laykaries in prescribed - Taals | 10 Marks |
| 4 | Ability to play one Dhun based on any Raag prescribed in Paper- I | 10 Marks |
| 5 | Oral test of theory (Applied and General) | 10 Marks |

FLUTE / VIOLIN / SETAR
2nd Year
Paper - III (Theory)

Mark 40
(5 Units x 8 Marks)

Unit-I

1. Characteristics features of all the prescribed Ragas.
(a) Bhairav (b) Bhairavi (c) Ashavari
(d) Oesh (e) Tilok Kamod (f) Kedar
(g) Hamir (h) Jaunpuri (i) Bhimpalashree
2. Comparative study of all the prescribed Ragas of this year and previous year.
(Previous Ragas) : Allheya Bilawal, Bhupali, Kalyan, Khamaj, Kafi, Ourga, Tilang, Brindabani Sarang

Unit -II

1. Ability to write the notation of masitkhani and Rajakhani gat in Pandit Bhatkhande Notation system.
2. Ability to play gats in jhamptal, Ektal and Roopak Tal.

Unit - III

1. Knowledge of Pandit Bhatkhande and Pandit Paluskar Notation system.
(a) Bhairab (b) Hamir (c) Oesh
2. Knowledge of different varieties of Tans

Unit-IV

1. Knowledge of following Talas.
(a) Oadra (b) Sultal (c) Teora (d) Choutal (e) Oipchandi
(f) Ohamar
2. Comparative study of all the prescribed talas of this year and previous year.
(Previous Talas) : Trital, Jhamptal, Roopak, Ektal, Kharawa

Unit-V

1. Ability to write the thekas with different layakaries.
Do gun, Tin gun, chou gun, 3/2, 2/3. 3/4, 4/3 above
2. Knowledge of Rajakhani Gat in Prescribed Ragas with Alaap & Taan

FLUTE / VIOLIN / SETAR
Paper - III
PRACTICAL

Marks: 60

Unit - I	Demonstration of choice Raga.
Unit - II	Rajakhani Gat with alap and Tans of all the prescribed Ragas mentioned in the applied theory (paper - I)
Unit - III	Masitkhani Gat with alap tan in the following Ragas. (a) Bhairav (b) Desh (c) Hamir
Unit - IV	Ability to play gats in various talas. (a) Jhamptal (b) Roopak (c) Ektal
Unit - V	Ability to play Dhun or Bhajan based on any Raga

Practical Examination

Distribution of Marks 60

Unit		
1	Demonstration of choice Raag	20 Marks
2	Demonstration of Rajakhani Gat with Alaap & Taan	10 Marks
3	Demonstration of a Masitkhani Gat in any of the following Raags	10 Marks
4.	Ability to play gats in various Taals : (a) Jhamptal (b) Roopak (c) Ektal	10 Marks
5.	Demonstration of a Dhun or a Bhajan in any Prescribed Raags of this paper	10 Marks

FLUTE / VIOLIN / SETAR

2ND YEAR

Paper - IV (Theory)

Marks : 40

Unit - I

1. Definition: Alap, Jod, Jhala, Tan, Laya, Layakari, Sruti, Swara, Nada, Dhwani, Matra, Mid, Sut, Ghasit, Sthayee, Antara, Gamak, Kana, Swara, Badl, Sambadi, Anubadi, Bibadi, Nyasa, Swara, Barna.
2. General Knowledge of the following forms. Dhrupad, Dh mar, Khayal, Laxyan Geet, Raag Mala.

Unit - II

1. Physical description of Duggi & Tabala.
2. Classification of Indian Instruments.
3. Essay on general topic on music.
 - (a) Importance of music in the society.
 - (b) Shastriya Sangeet and Bhaba Sangeet.

Unit -III

1. Comparative study of Sruti and Swara.
2. Comparative study of Thaata and Raga.
3. Knowledge of Sandhi Prakash Ragas.

Unit -IV

1. Evolution of Indian Music.
2. Preliminary knowledge of Sadaj - Madhyam and Sadaj - Pancham Bhabas.

Unit- V

1. Life History of the following musicians.

(a) Pt. V.D. Palluskar	(b) Pt. V.N. Bhatkhande
(c) Pt. Rabi Shankar	(d) Nikhil Banerjee
(e) Pt. Hari Prasad Chawrasia	(f) Pt. Pannalla Ghosh

FLUTE / VIOLIN ISETAR
Paper-IV
PRACTICAL EXAMINATION

Marks : 60

- Unit - I Shastriya Parichaya of all the prescribed Ragas mentioned in the applied Theory Paper - I
- Unit - II Identification of Ragas by hearing simple swaralap
- Unit - III Shastriya Parichaya of all the prescribed Talas mentioned in the applied, theory Unit - III
- Unit - IV Show the Thekas of the tala by clapping
- Unit - V Oral Test of theory (Applied and General)

Practical Examination

Distribution of Marks: 60

Unit

- | | | |
|----|---|----------|
| 1. | Oral test of sastriya parichaya of all the prescribed Raags | 20 Marks |
| 2. | Identification of Raags by hearing simple | 10 Marks |
| 3. | Oral test of sastriya parichaya of all the prescribed | 10 Marks |
| 4. | Show the Thekas & laykaries of the prescribed | 10 Marks |
| 5. | Oral Test | 10 Marks |

HINDUSTANI VOCAL MUSIC
FIRST YEAR
Paper : I (Applied Theory)

Marks : 40

Unit - I

1. Knowledge of writing Shuddha Alankars in different Talas of this Year.
2. Knowledge of writing Alankars in different Ragas of this Year.

Unit - II

3. Detailed Characteristic Features of all the following Ragas prescribed for practical course of this Year. Bhupali, Kalyan, Bhairav, Alheiya Bilawal, Durga, Kafi, Brundabani Saranga, Khamaj, Ashavari & Desh.

Unit-III

4. Detailed Characteristic Features of all the following Talas prescribed for practical course of this Year. Teental, Ektal, Choutal, Dhamar, Dadara & Kaharwa.
5. Knowledge of writing Layakarries such as : Ekgun, Dugun & Chougun in these Talas.

Unit-IV

6. Ability of writing notations of all Bandish (Vilambit & Drut Khayal) with Alap & Taan from the prescribed Ragas taught during this year in Bhatkhande Notation System.
7. Ability of writing notations of Dhrupad & Dhamar from this year course with Dugun Layakarries.

Unit-V

8. General Knowledge about following forms :
 - a. Dhrupad
 - b. Dhamar
 - c. Khayal
 - d. Sargam Geet
 - e. Lakhyana Geet

HINDUSTANI VOCAL MUSIC

FIRST YEAR

Paper – I Practical

Marks : 60

1. Students will be taught Shuddha Alankaras in different Talas of this year with different Layas & Chhandas.
2. Students will be taught different Alankaras in prescribed Ragas of this year.
3. Students will be taught Drut Khayal in each of the following prescribed Ragas with Alap, Taan & Boltaan : ***Bhupali, Kalyan, Bhairav, Alheiya Bilawal, Durga, Kafi, Brundabani Saranga, Khamaj, Ashavari & Desh.***
4. Elementary knowledge of Vilambit Khayals of the following Ragas : Bhupali, Kalyan Alheiya Bilawal & Bhairav.
5. In all Drut Khayal, one or two compositions will be taught other than Tala Teental.
6. Comparative Practical study of the similar Ragas taught in this year.

**HINDUSTANI VOCAL MUSIC
FIRST YEAR
Paper - II (Theory)**

Marks : 40

Unit-I

1. Simple Definition of following terms :
Sangeet, Dhvani, Nada, Shruti, Swar, Saptak, Alankar, Aroha, Abaroha, Pakkad, Vadi, Samvadi, Anuvadi, Bibadi, Barjya, Jati, Thaata, Raga, Alap, Taan, Boltaan, Sthayee, Antara, Tala, Laya, Matra, Bibhag, Abartan, Sam, Tali & Khali.

Unit-II

2. Elementary knowledge about Pt. Bhatkhande & Pt. Paluskar Notation System.
3. Physical description & Tuning system of Tanpura.

Unit-III

4. Comparative study of the following Terms :
 - a. Raga – Thaata
 - b. Swar – Shruti
 - c. Tala – Laya

Unit-IV

5. Writing Essays on General Topics on Music :
 - a. Classical Music & Light Music
 - b. Role of Tala Laya in Music

Unit-V

6. Study of the Life Sketch :
 - a. Pt. Vishnu Digambar Paluskar
 - b. Pt. Vishnu Narayan Bhatkhande

HINDUSTANI VOCAL MUSIC
FIRST YEAR
Paper - II (Practical)

Marks : 60

1. The students will be taught one Lakhyana Geet & one Sargam Geet from the prescribed Ragas of this year.
2. The students will be taught one Dhrupad & one Dhamar with Dugun & Chougun Layakaries from the prescribed Ragas of this year.
3. The students will be taught two Taranas from the prescribed Ragas of this year.
4. The students will be taught two Bhajans based on Ragas.
5. Detailed Practical & Theoretical knowledge of the following Talas : ***Teental, Ektal, Choutal, Dhamar, Dadara & Kaharwa.***
6. The students will be taught Ekgun, Dugun & Chougun Layakaries in these prescribed Talas.

HINDUSTANI VOCAL MUSIC
SECOND YEAR
Paper : III (Applied Theory)

Maks : 40

Unit - I

1. Detailed Characteristic Features of all the following Ragas prescribed for practical course of this Year. **Bageshree, Bihag, Bhimpalasi, Kedar, Hameer, Tilak Kamod, Goud Saranga, Shankara, Pattadeep & Bhairavi.**
2. Comparative study of the prescribed Ragas of this year.

Unit - II

3. Detailed Characteristic Features of all the following Talas prescribed for practical course of this Year. **Vilambit Ektal, Tilwada, Jhamptal, Sultaal, Roopak & Tewora.**
4. Knowledge of writing Layakaries such as : Ekgun, Dugun, Tigun & Chougun in these Talas.
5. Comparative study of the prescribed Talas of this year.

Unit - III

6. Knowledge of writing notations of all Bandish (Vilambit & Drut Khayal) with Alap & Taan from the prescribed Ragas taught during this year in Bhatkhande Notation System.

Unit - IV

7. Ability of writing notations of Dhruwad & Dhamar from this year course with Dugun & Chougun Layakaries.
8. Ability of writing notations of Tarana taught during this year.

Unit - V

9. General Knowledge about following forms :
 - a. Dhruwad
 - b. Dhamar
 - c. Khayal
 - d. Tarana
 - e. Bhajan

HINDUSTANI VOCAL MUSIC
SECOND YEAR
Paper - III (Practical)

Marks : 60

1. Students will be taught DrutKhayal in each of the following prescribed Ragas with Alap, Taan&Boltaan : ***Bageshree, Bihag, Bhimpalasi, Kedar, Hameer, Tilak Kamod, Goud Saranga, Shankara, Pattadeep & Bhairavi.***
2. Elementary knowledge of Vilambit Khayals of the following Ragas : Bageshree, Bihag, Bhimpalasi, Kedar & Hameer.
3. In all Drut Khayal, one or two compositions will be taught other than Tala Teental.
4. Comparative Practical study of the similar Ragas taught in this year.

**HINDUSTANI VOCAL MUSIC
SECOND YEAR
Paper - IV (General Theory)**

Marks : 40

Unit - I

1. Simple Definition of following terms : Grama, Murchhana, Jati Gayan, Graha, Ansha, Nyasa, Apanyasa, Sanyasa, Binyasa, Varna, Layakari, Meend, Kana, Gamak, Khatka, Murki, JanakThaat, Janya Raga & Ashraya Raga.

Unit - II

2. Physical description of Duggi Tabla.
3. Comparative Study about Pt. Bhatkhande & Pt. Paluskar Notation System.

Unit - III

4. Comparative study of the following Terms : Alpatwa–Bahutwa, Abirbhav–Tirobhav & Purbanga–Uttaranga

Unit - IV

5. Writing Essays on General Topics on Music :
 - a. Importance of Music in Society
 - b. A Classical Music Evening

Unit - V

6. Study of the Life Sketch :
Pt. Omkarnath Thakur & Pt. Vinayak Rao Patwardhan

HINDUSTANI VOCAL MUSIC

SECOND YEAR

Paper : IV Practical

Marks : 60

1. The students will be taught one Dhrupad & one Dhamar with Dugun, Tigun & Chougun Layakaries from the prescribed Ragas of this year.
2. The students will be taught two Taranas from the prescribed Ragas of this year.
3. The students will be taught two Bhajans based on Ragas.
4. Detailed Practical & Theoretical knowledge of the following Talas : ***Vilambit Ektal, Tilwada, Jhamptal, Sultaal, Roopak & Tewora.***
5. The students will be taught Ekgun, Dugun, Tigun & Chougun Layakaries in the prescribed Talas of this year.

**ODISSI VOCAL
FIRST YEAR**
Paper – I (Applied Theory)

Marks – 40

Unit – I (30 Classes per year)

1. Characteristic features of all prescribed Ragas :
(Ragas : Sankarabharana, Malavagouda, Kaphi, Khamaja and Kedara)
2. Characteristic features of all prescribed Talas :
(Talas : Ekatali, Rupak and Tripata)

Unit – II (30 Classes per year)

3. Knowledge of writing notation of all the Prabandhas of the prescribed Ragas.
4. Knowledge of writing Layakaries such as Ekagun, Duigun and Charigun of prescribed Talas.

Unit – III (30 Classes per year)

5. Knowledge of writing Swaramalika in prescribed Ragas.
6. Knowledge of writing notation of the Prabandha of a Traditional Bhajan.

Unit – IV (30 Classes per year)

7. Ability to identify Swara (Sudha / Vikruta), Raga (out of Swara Khanda) and Tala (out of Tala Ukuta).
8. Ability to write Alankaras in Ekagun, Duigun and Charigun Laya.

Unit – V (30 Classes per year)

9. Structural description of Tanpura (Anga Varnana).
10. Structural description of Mardala (Anga Varnana).

ODISSI VOCAL
FIRST YEAR
Paper – I (Practical)

Marks : 60

(One class of two consecutive periods daily)

1. Odissi Raganga Prabandha in following Ragas and Talas :
 - (i) Ragas : Sankarabharana, Malavagouda, Kaphi, Khamaja and Kedara.
 - (ii) Talas : Ekatali, Rupak and Tripata.
2. Swaramalika in each of the above Ragas.
3. Lakshyana Geeta in Raga Sankarabharana.
4. 20 Alankaras in different Layakaries i.e. Ekagun, Duigun and Charigun Layakriya.
5. Ability to read notation and demonstrate different Layakaries.

ODISSI VOCAL

FIRST YEAR

Paper – II (General Theory)

Marks – 40

Unit – I (28-30 Classes per year)

1. Definition :
 - (i) Sangeeta, Nada, Shruti, Swara, Saptaka, Raga, Aroha – Abaroha, Jati, Alapa, Gamaka and Tana.
 - (ii) Tala, Laya, Matra, Bhaga, Sasabda – Nisabda Kriya and Layakriya.
 - (iii) Badi, Sambadi, Anubadi, Bibadi and Barjita Swara.

Unit – II (28-30 Classes per year)

2. Knowledge of the following Prabandhas :
 - (i) Lakshyana Geeta and Swaramalika.
 - (ii) Odissi (Raganga & Bhabanga), Champu and Chhanda.

Unit – III (28-30 Classes per year)

3. Knowledge of writing notations of Bhajana and Janana.
4. Principles of Mela with the name and Swaraparichaya.

Unit – IV (28-30 Classes per year)

5. Comparative study between Mela and Raga.
6. Comparative study between Shruti and Swara.

Unit – V (28-30 Classes per year)

7. Sketch the Biography :
 - (i) Kaviraj Shree Jayadeva.
 - (ii) Kabi Samrat Upendra Bhanja.
 - (iii) Singhari Shyama Sundar Kara.

ODISSI VOCAL
FIRST YEAR
Paper – II Practical

Marks : 60

(One class of two consecutive periods daily)

1. Two traditional Odissi Prabandhas.
2. Two Champus ('Kharapa tu helu re' in Raga Kedara and 'Atasi Kusuma Sama' in Raga Khamaja).
3. Two Chhandas in following Vanies :
 - (i) Kalasa.
 - (ii) Chokhi.
4. Two Jananas of following poets :
 - (i) Banamali.
 - (ii) Kabisurya Baladev Ratha.
5. Two Bhajans of following poets :
 - (i) Gopaklkrushna.
 - (ii) Bhima Bhoi.

ODISSI VOCAL

SECOND YEAR

Paper – III (Applied Theory)

Marks – 40

Unit – I (28-30 Classes per year)

1. Characteristic features of all prescribed Ragas :
(Ragas : Kalyan, Mohana, Mukhari, Bhairabi, Bihaga and Kuntala - Kalyan)
2. Characteristic features of all prescribed Talas :
(Talas : Ekatali, Khemata, Jhampa, Yati and Aditala)

Unit – II (28-30 Classes per year)

3. Knowledge of writing notation of all the Prabandhas of the prescribed Ragas.
4. Knowledge of writing Layakaries in Ekagun, Duigun, Tinigun and Charigun laya of prescribed Talas.

Unit – III (28-30 Classes per year)

5. Knowledge of writing notation of Champu and Chhanda.
6. Knowledge of writing notation of Bhajana and Janana.

Unit – IV (28-30 Classes per year)

7. Identification of Swara, Raga and Tala.
8. Knowledge about the Symbols used in writing Notation.

Unit – V (28-30 Classes per year)

9. Principles of tuning the Tanpura and Mardala.
10. Comparison between the prescribed Talas.

ODISSI VOCAL
SECOND YEAR
Paper – III (Practical)

Marks : 60

(One class of two consecutive periods daily)

1. Odissi Raganga Prabandha with full elaboration in following prescribed Ragas:
Ragas : Kalyan, Mohana, Mukhari, Bhairabi, Bihaga and Kuntala – Kalyan.
2. Prescribed Talas : Ekatali, Khemata, Jhampa, Yati and Aditala.
3. Swaramalika in each prescribed Ragas.
4. Ability to identify Swara, Raga and Tala.
5. Ability to demonstrate the Layakaries in Ekagun, Dedhagun, Duigun, Tinigun and Charigun laya of prescribed Talas.

ODISSI VOCAL

SECOND YEAR

Paper – IV (General Theory)

Marks – 40

Unit – I (28-30 Classes per year)

1. Detailed knowledge of Nada :
 - (i) Ahata Nada – Anahata Nada.
 - (ii) Apa Nada – Sangitika Nada.
 - (iii) Three qualities of Nada.

Unit – II (28-30 Classes per year)

2. Name of 22 Odissi Shruties.
3. Principles of distributing Swaras among 22 Shruties.

Unit – III (28-30 Classes per year)

4. Detailed knowledge on Swara:
Chala Swara – Achala Swara, Suddha Swara – Bikruta Swara and Komala Swara – Tibra Swara.
5. Knowledge about Saptaka : Mandra, Madhya and Tara.

Unit – IV (28-30 Classes per year)

6. Preliminary knowledge of the Bistara Karma of Raga : Alapa (Anibaddha – Nibaddha), Padavinyasa and Tana..
7. Knowledge of Purbanga and Uttranga.

Unit – V (28-30 Classes per year)

8. Sketch the Biography :
 - (iv) Kabisurya Baladev Ratha.
 - (v) Kabi Samrat Upendra Bhanja.
 - (vi) Singhari Shyama Sundar Kara.

ODISSI VOCAL
SECOND YEAR
Paper – IV (Practical)

Marks : 60

(One class of two consecutive periods daily)

1. Two Traditional Odissi Bhabanga Prabandhas.
2. Two Traditional Odissi Natyanga Prabandhas.
3. Two Champus ('Chhalabahinisa he' in Raga Mukhari and 'Nabhanga re Subhangi' in Raga Bihaga).
4. Two Chhandas in Rasakulya and Ashadhasukla Vani.
5. Two Traditional Bhajans with simple Anibaddha Alapa and Padavinyasa.

ODISSI DANCE
+2 (1st YEAR) COURSE

Paper - I Theory

Marks : 40
(5 Units x 8 Marks)
Period : 30

Unit - I

1. Different Types of Foot position (padaSthiti)
2. Knowledge of Sira Veda, Drusti Veda, Greeba Veda.

Unit - II

1. Knowledge of Sanjukta, Asanjukta and Nrutta Hasta Mudra.
2. Knowledge of pada Veda (Mandala, Utplabana, Bhramani, Pad a Charika)

Unit - III

1. Knowledge of simple layaKaris - Ekaguna, Do guna, Chari guna
2. Knowledge of Khandi, Gadi, Arasa and Mana.

Unit - IV

1. Knowledge of Bhangi.
2. SastriyaParichaya of the prescribed Talas :
(a) Ekatali (b) Rupaka (c) Triputa
(d) Jhampa (e) Khemata (Jhula) (f) Jatital

Unit - V

1. Definitions of Tala, Laya, Bhaga, Tali, Khali, Tandab, Lasya, Mudra, Abhinaya, Natya, Nrutya, Nrutta.
2. Knowledge about Namaskriya, Natyotpati, Patra Lakshyan, BarjaniyaPatrini, Puspanjali according to Abhinaya Darpana

ODISSI DANCE

FIRST YEAR

(One class of two consecutive periods daily)

Paper - I Practical

Full Marks - 60

1. Demonstration of Sanjukta and Asanjukta Hastas and Usages.
2. Demonstration of Sirabeda, Greeba Veda, Drusti Veda and Usage.
3. Knowledge of Bhangis and their demonstration: Asanaa, Mardala, Akunchana, Uttolika, Shibakara, Nivedana, Potala, Biraja, Parswamardal, SalaBhanjika, Gabakhya.
4. Demonstration of foot Postion (Padaveda) Mandala, Utplabana, , Bhramari and Chari.
5. Exercises and Stepping (padaSadhana) for Anga Sudha.
6. Practice of Bakhya Chalana (Torso Movements)

Practical Examination

Full Marks - 60

- | | |
|--|----------|
| 1. Demonstration of Mudra, Exercise, Stepping | 20 Marks |
| 2. Demonstration of Chari, Bhramari in different layas | 10 Marks |
| 3. Oral test of Siraveda, Drusti Veda, Greeva Veda | 10 Marks |
| 4. Demonstrations of Talas in Ekagun, Dugun and Charigun | 10 Marks |
| 5. Demonstration of the traditional (Paramparika) Bhangis. | 10 Marks |

**ODISSI DANCE
+2 (1ST YEAR) COURSE
PAPER - II THEORY**

Full Mark - 40

Unit - I

1. Anga Veda (Anga, Pratyanga, Upanga) according to Abhinaya Darpana.
2. Brief History of Odissi Dance.
3. Brief History of Debadasi, Mahari.

Unit - II

1. Brief history of Gotipua Dance.
2. Knowledge of Abhinaya (Angika, Bachika, Aharjya, Satwika)

Unit - III

1. Knowledge of following Folk Dances of Orissa.
 - (a) Chadheya Chadheyani
 - (b) Rasarkeli
 - (c) Dal Khai
 - (d) Ghumura
 - (e) KelaKeluni
2. Brief Knowledge of All Classical Dances of India.

Unit –IV

1. Life sketch of the traditional dance Gurus - Late Chandra Sekhar Pattnaik, Mani ~Jlohapatra.
2. Life history of Padmashree Guru Pankaj Charan Das.

Unit - V

1. Life history of Padmabibhushan Guru Sri Kelucharan Mahapatra and Guru Sri Deba Prasad Das.
2. Life sketch of Sri Jayadev, Upendra Bhanja.

ODISSI DANCE - First Year
Paper - II Practical
(One class of two consecutive periods daily)

Full Marks - 60

1. Performance of Mangalacharan - One
2. Sthayee.
3. Pallavi - One
4. Abhinaya - one
5. Tala - putting beat with Ekgun, Du-gun, Charigun
6. Simple demonstration of a Rasa.

Practical Examination

Full Marks - 60

- | | |
|-----------------------------------|----------|
| 1. Demonstration of Mangalacharan | 20 Marks |
| 2. Performance of a Pallavi | 10 Marks |
| 3. Demonstration of Sthayee | 10 Marks |
| 4. Layakari of different Talas | 10 Marks |
| 5. Demonstration of an Abhinaya | 10 Marks |

ODISSI DANCE
+2 SECOND YEAR
Paper - III (Applied Theory)

Full Marks - 40
(5 Units x 8 Marks)
(25 Classes per year)

Unit - I

1. Natyaotpati according to AbhinayaDarpana.
2. Describe all Bibhags (division) of Odissi dance like - Mangalacharan, Sthayee or Batu, Pallavi, Abhinaya and Mokshya.

Unit - II

1. Identification of the Rag and Tala of the composed items.
2. Defination of the various division of the mangalacharan. Like - ManchPrabesh, BhumiPranam, Guru Bandana, SavaPranam.

Unit - III

1. Defination of the SaptaTala. Like Dhruva, Matha, Rupak, Jharnpa, Tripata, Ekatali and Attatala.
2. Talalipi of the various Odissi Items.

Unit -IV

1. Definition of the Bolly - Utha, Baitha, Thia, Chali, Buda, Vasa, Bhaunri, paali.
2. Knowledge of Gati Veda according to Abhinaya Darpana and their Uses.

Unit - V

1. Recitation of the Ukutas of the items.
2. Knowledge of three types of Folk Dances of Orissa.

ODISSI DANCE
+2 SECOND YEAR
(One class of two consecutive periods daily)
Paper- III Practical

Full Marks - 60

1. To teach ten types of soundless exercises and stepping (Ten No's Chauka and Ten No Trivanga).
2. Knowledge of all Types of Bhramari.
3. To teach one Pallavi.
4. Knowledge of Bhangis and their demonstration - Asana, Mardala, Akunchana, Utalika, Shivakara, Nibedana, Potala, Biraja, Parswa Mardala, Alasa, Darpana, Srutikula.

**ODISSI DANCE
+2 SECOND YEAR
Paper - IV (General Theory)**

**Full Marks - 40
(5 Units x 8 Marks)
(25 classes per year)**

Unit - I

1. Write about Sanskar Padhati according to Abhinayadarpana and its relevance with Abhinaya.
2. What is the Importance of Rhythm in Dance.
3. Definition of Various Instruments used in Odissi dance.

Unit – II

1. Introduction of various types of Instruments of India. (Tat Badya, Susir Badya, Nibadha Badya and Ghana Badya)
2. What is the importance of Music in the Odissi Dance.

Unit - III

1. Knowledge of some mythology stories. The birth story of Elephant headed Ganesh. The fight between Durga and Mahisasura and about Nataraj Shiva and his dance.
2. Knowledge of some Folk and traditional dances of Odisha (Palla, Daskathia, Prahlada Natak, Dhuduki, Naga Dance, Sahi Jatra.

Unit -IV

1. Detail knowledge of different books on dance like - Abhinaya Darpan, Natyasastra, Natya Monorama.
2. Life history of Kavisurya Baladev Rath.

Unit - V

1. Life history of Gopal Krushna and Kabi Chandra Kalicharan Pattnaik.
2. Brief Knowledge on Naba Rasa.

ODISSI DANCE
+2 SECOND YEAR
Paper – IV (Practical)
(One class of two consecutive periods daily)

Marks - 60

1. Performance (Mangalacharan - One)
2. Demonstration of Batu Nrutya.
3. Identification of Hastas, Padas and Bhangis of Batu Nrutya.
4. Recitation of the items you have learnt and describe the Ukutas with Tal.
5. Demonstration of one Pallavi.
6. Abhinaya - One.
7. (a) Knowledge about the Characteristic feature of following prescribed Talas - Ekatali, Rupak, Kshemta and Adital.
8. (b) Knowledge to write Ekgun, Duigun, Charigun layakaries of all the prescribed talas.

ODISSI PAKHAWAJ (MARDAL)

+ 2 FIRST YEAR

PAPER- I THEORY

40 Marks

UNIT - I

1. Knowledge of basic Barnas of Mardal.
2. Knowledge of Hasta Sadhana bidhi.

UNIT - II

1. Knowledge about the characteristic feature of following prescribed Talas :
Ekatali, Rupak, Khemta & Adital
2. Knowledge to write Ekagun, Duigun, Charigun Layakaris of all the prescribed
Taals

UNIT - III

1. Knowledge about the Mana.
2. Ability to identify the Banis Badya Khand (Khandi, Arasa, Ragada & Mana)

UNIT - IV

1. Construction system of Mardal (Mardal Niraman Bidhi)
2. Knowledge about making of chhappar (Pudi)

UNIT-V

1. Knowledge of Tala lipi paddhati.
2. Study of following Terms: Bani, Ukuta, Khandi, Ragada, Dharaa Arasa .

**ODISSI PAKHAWAJ (MARDAL)
+ 2 FIRST YEAR
Paper - I Practical**

60 MARKS

UNIT - I

1. Playing ability of following Sanies
KA, GA, GHA, TIDA, DHA, DHI, NAA, TAA, RE, TARIKITA, KADATAK,
TAKATARI, TI-NGANA, TINDAA, TA-TINDAA, DHA DHA-TINDAA,
GADIGANA etc.
2. Playing ability of Dharan, Khandi, Arasa, Mana, Ragada

UNIT - II

TAALA

Ekatali, Rupak, Khemata, Tripata, Jhampa & Adi Taal

UNIT - III

1. Layakriya Ekaguna, Duiguna, Tiniguna, Chariguna
2. Students will be taught about the composition of Khandi & Gadi

UNIT- IV

1. Playing ability of Dharana & its 4 nos of variation in each Taal.
2. Students will be taught about the composition of Arasa.

UNIT - V

1. Ragada and its four numbers of variation.
2. Four numbers of simple Manas

+2 SECOND YEAR
ODISSI PAKHAWAJ (MAROAL)
Practical Paper - I

Mark distribution for Practical Examination:

- | | | | |
|----|---|---|----------|
| 1. | Demonstration of one choice Taal from prescribed Taals | : | 20 Marks |
| 2. | Demonstration of Ragada, Khandi, Gadi & Manas : 10 minutes | : | 10 Marks |
| 3. | Oral Test of Shastriya Parichaya of prescribed Taals : 10 minutes | : | 10 Marks |
| 4. | Laya Kriya of Taals : 5 minutes | : | 10 Marks |
| 5. | Demonstration of Dharana of Prescribed Taals | : | 10 Marks |

ODISSI PAKHAWAJ (MARDAL)

+ 2 FIRST YEAR

PAPER - II THEORY

40 Marks

UNIT -I

1. DEFINITION
Sangeeta, Nada, Swara, Sruti, Saptaka & Raga
2. Sum, Taali, Khali, Chhanda, Bibhaga, Abartan, Taala, Laya, Sasabdakriya, Nisabdakriya.

UNIT -II

1. Knowledge about the following terms:
Oddisi, Champu, Chhanda, Natyangi, Bhajan.Janana & Geeta Govinda
2. Classificaiton of Musical Instrument (Badya Bibhagikaran)

UNIT -III

1. Historical study of Mardal.
2. Dasa rana of Taal

UNIT - IV

ESSAY

1. Your aim of learning Mardal
2. Ekaka Badan of Mardal at a Musical Night you have witnessed.

UNIT - V

Life History

- (i) Pt. Singhari Shyamasundar Kar
- (ii) Padma Bibhusan Kelu Charan Mohapatra
- (iii) Pt. Mahadev Rout
- (iv) Pt. Chakradhar Sahoo

ODISSI PAKHAWAJ (MARDAL)

+ 2 FIRST YEAR

PAPER- II PRACTICAL

Marks : 60

UNIT- I

1. 2 Nos of Khandi in each of prescribed Taala. (20 marks)
2. 2 nos of Gadi in each of prescribed Taal.

UNIT- II

1. One Ragada and its four variation in Adi Taala & Jhampa, Taal. (10 marks)

Unit - III

1. One Chaugati Ragada in Adi Taala. (10 marks)
2. Two numbers of Arasa in Adi Taal & Jhampa Taala.

UNIT- IV

1. 2 nos of Bhauri Arasa in Jhampaa & Adi Taala (10 marks)
2. 2 nos of Bhaurirnana in Adi Taala & Jhampa Taala

UNIT - V

1. 2 nos of Birama Mana in each Taala (10 marks)
2. 2 nos of Abirama Mana in each Taala

ODISSI PAKHAWAJ (MARDAL)

+ 2 SECOND YEAR

PAPER – III THEORY

40 MARKS

UNIT - I

1. Characteristics feature of following Taalas :
Tripata, Jhampa, Kudula, Yati & Adataali
2. Ability to write the following Layakaris :
2/3, 3/2,4/3,4/6,6/4

UNIT - II

1. Knowledge to write the Taalalipi (notation) of Ragada, Chaugati Ragada & Arasa.
2. Knowledge to compose the different Mans like : Biram, Abiram, Ragana, Bhaurri & Chhak Ma1na

UNIT - III

1. Knowledge about Ragadas in three different banies in different prescribed Taals:
2. Principle of making Bhaunri Arasa.

UNIT- IV

1. Composition
Mana from two upto sixteen Matras
2. Khandi from two up to Twelve Matras

UNIT- V

1. Knowledge of Chhanda Prakaran
2. Principle of Sangat in Odissi Music

**+2 SECOND YEAR
ODISSI PAKHAWAJ (MARDAL)
PAPER – III, PRACTICAL**

60 MARKS

UNIT -I

1. DEMONSTRATION (20 marks)

Playing ability of Ekaka Sadan for 15 minutes in Aditaala or Jhampa Taala

UNIT – II

- (i) Dhinigita Tereketa Dina (10 Marks)
(ii) Dhini Dhina Kita-Dhini Dhini Dhini Taka
(iii) Dhini Tathini Thinak
(iv) Tagede Gede Dhinak Dhini
(v) Terekete Gadigana
(vi) Ti-ngana

UNIT- III

TALA & LAYAKRIYA (10 marks)

1. Kuduks Yati & Adataali
2. Ekagun, Dedhaguna, Duiguna, Tiniguna & Chariguna of prescribed Taals

UNIT- IV

Dharan of Taalas and its 4 nos of variation in above prescribed Taals (10 marks)

UNIT - V

1. Composition of Mana & Khandi (10 marks)
2. Ability of writing in Taala lipi paddhati of different Sanies (ukuta)

Mark distribution for Practical Examination

1. Demonstration of choice Taal of this Year 20 Marks
2. Laya Kriya of different Laya prescribed for this year 10 Marks
3. Demonstration of Dedhaguna Tiniguna & Chariguna in prescribed Taals 10 Marks
4. Demonstration of the Variation of prescribed Dharan 10 Marks
5. Oral test of Shastriya Parichay of different Taals of this year 10 Marks

**+2 SECOND YEAR
ODDISI PAKHAWAJ (MARDAL)
PAPER - IV THEORY**

(40 Marks)

UNIT - I

Differentiate between the followings:

- (i) MARDAL - Hindustani pakhawaj
- (ii) MARDAL - Hindustani Tabla
- (iii) MARDAL - Mrudangam (Karnataki)

UNIT - II

DESCRIPTION

- 1. All Abanaddha - Badyas of Odisha like: Khola, Khanjani, Jodinagara, Dhuduki, Changu & Dhol
- 2. "Nadia kirttan & Ranihati Kirttan

UNIT - III

- 1. Good and bad qualities of Mardalika (Mardalika Lakhyana)
- 2. Principle of Solo (Ekaka Badan) Mardal recital

UNIT- IV

BIOGRAPHY

- (i) Guru Sri Pt. Padmanav Panda
- (ii) Pt. Banamali Maharana
- (iii) Pt. Sudhakar Balakrishna Das
- (iv) Guru Sri Pt. Bhikari Charan Bal (Bhajan Samrat)

UNIT- V

ESSAY

- (i) Taal system of Odissi, Hindustani & Karnataki
- (ii) Importance of Taal in Music

**+2 SECOND YEAR
OOOISI PAKHAWAJ (MARDAL)
PAPER - IV, PRACTICAL**

(60 MARKS)

UNIT- I

1. Performance for 15 minutes of Mardal - Ekak - Badan in choice Taal.

UNIT- II

1. One (Udyama) in Aditaal & One in Jhampa Taal
2. 2 nos of Bhauri Arasa in Tripata and Jhampa Taala

UNIT - III

1. **Layakriya**
 - (i) Rupak Taala in Eka Taali (6/4)
 - (ii) Yati Taal in Adi Taal (14/16)

UNIT - IV

COMPOSITION

Compose the following manas in each Taal

- (i) 2 nos of Abiram Mana
- (ii) 2 nos of Birama Mana
- (iii) 2 nos of Bhauni Mana
- (iv) One Lagan Mana

Ability of accompaniment of following Taals in Odissi Vocal Music Ekatali, Rupak, Khemata, Tripata, Jhampa, Kuduka, Yati Taal, Ada Tali & Adi Tala

Mark distribution for Practical Examination:

- | | |
|---|----------|
| 1. Choice in any Taal of this Year for Solo Badan | 20 Marks |
| 2. Demonstration of Jaman, Lagan Mana & Other Manas | 10 Marks |
| 3. Lay Kriya – 6/4 & 14/6 | 10 Marks |
| 4. Test of Accompaniment ability | 10 Marks |
| 5. Variation of Dharnas of prescribed Taal of this year | 10 Marks |

TABLA
+2 FIRST YEAR,
PAPER – I, THEORY

Marks : 40

UNIT - I

1. Knowledge about alphabets of tabla and bayan played with right hand only, with left hand only and using both the hands.
2. Details of knowledge about following composite alphabets: terekeTe, DheTeteTe, KeTedheteTe, KiTataka, Ghedenaga, Kedan, Takdan, KeTedha

UNIT - II

1. Detailed study about the definition of Taal, Kaida, Palat, Theka, Prakar, Tihai, Matra, Bol, Bibhaga, Avartan, Sam, Laya, Ekgun, Digun, Choogun, Mukhda, Tukuda.
2. Knowledge about the Laya and its types (Bilambit, Madhya and Drut)

UNIT- III

1. Detailed Knowledge about different parts of Tabla and Bayan
2. Knowledge about the ideal practice of Tabla

UNIT - IV

1. Study of Bhatkhande Taal Lipi system
2. Writing following taals with characteristics and in ekgun to chougun- Teentaal, Jhaaptaal, Choutaal, Ektaal, Rupak, Tewra, Dadra and Keharawa in Bhatkhande Taal Lipi System

UNIT - V

1. Comparative study of the following taals with equal beats with reason of their formation- Ektaal-Choutaal, Rupak-Tewra
2. Comparative Study of Pakhawaj and Tabla, Prakar-Palat-Bistar, Tukuda-Paran

TABLA
+2 FIRST YEAR,
PAPER – I, PRACTICAL

Marks : 60

UNIT - I

1. Special Preparation in teentaal-Kaida with the following words teTe, terekeTe, Dhati, Ghenaga, teTedha, Ghedenaga, DhageterekeTe, Dhatidhaga, Kededha Rela ,Tukuda, Tihai, Chakradar, Uthan.
2. Ability to play the alphabets of tabla and bayan played with right hand only, with left hand only and using both the hands along composite alphabets..

UNIT - II

1. Practice and Knowledge of the following Taals with Ekguna, diguna and chouguna: Teentaal, Jhaaptaal, Ektaal, Rupak, Tewra, Choutaal, Dadra, and Keharawa
2. Ability to play tihai according to pad-badh Sutra(1-4 matra), mukhda and its variations.

UNIT - III

1. Practice and knowledge of Kaida with 5 palats in Jhaaptaal.
2. Ability to play Damdar and Bedamdar Tihai in Teentaal and Jhaaptaal & Rupak

UNIT - IV

1. Recitation and Padhant of different taals and bols in this paper
2. Ability to play tukuda in Rupak Taal.

UNIT - V

1. Practice and knowledge of Prakars in the following Taals
(i) Teentaal, Jhaaptaal, Rupak, Dadra, Keharawa
2. Practice and knowledge of Mukhda in Teentaal

TABLA
+2 FIRST YEAR
PAPER – II, THEORY

Marks : 40

UNIT – I

1. Definition of the following terms: Chhanda, Phank, Theka, Tali, Khali, Taal, Lahra, Panch Sanch, Gharana, Baj, Bistar, Tukuda, Chakradar.

UNIT – II

1. Detailed Study of the following gharanas and their playing style- Delhi, Ajradda, Lucknow
2. Brief study on origin and evolution of tabla.

UNIT – III

1. Detailed Knowledge about Kala, Marga, Laya, Kriya, Anga, Graha from the ten elements of Taal (Taal Dasa Prana)
2. Study on definition of following terminologies- Taal Lipi, Music, Nada, Swara, GandaBandhan, Taal lipi, Masitkhani Gat, Rajakhani Gat, Khyal, Classical Music and Folk Music, Pancha Sancha

UNIT – IV

1. Write Essay of the followings
 - (i) Characteristics of an artist
 - (ii) Tabla Solo Performance

UNIT – V

1. Study on Good and bad qualities and Tabla Player
Life Sketch
 - (i) Pt. Khetramohan Kar
 - (ii) Ustad Zakir Hussain
 - (iii) Pt. Naba Kumar Panda
 - (iv) Pt. Shankar Ghosh

TABLA
+2 FIRST YEAR
PAPER – II, PRACTICAL

Marks : 60

UNIT - I

1. Practice and knowledge of Theka, Kayida, Prakar, Tukuda, Chakradar, Rela and Tihai in Jhaaptaal, Teental
2. Ability to play Kaida , Tukuda, Chakradar & different Tihai in Jhamptal.

UNIT - II

1. Practice and knowlede of Ekgun, Digun and Chougun Laykriya of Rupak, Twera, Ektaal and Chautal, Keharwa
2. Practice and knowlede of an Adlaya tukuda, Chakradar & Paran in any Tal of this year.

UNIT - III

1. Ability to play Tisra and Chatusra Jati Kaida in Teentaal
2. Ability to play Lagggi ad Laddi in Dadra with variations and Bant

UNIT – IV

1. Ability to play Kaida in the following word in Rupak Tal- teTe and traka.
2. Practice and knowlede of Prakar, tukuda and chakradar in Teentaal, and Jhaaptaal

UNIT – V

1. Ability of playing Mukhda from following matras : 5,9,10, 13 matra
2. Practice and knowlede of Tihai from following matras : 1, 5, 9, 10, 13 matra according to (Pada-badha Sutra)

TABLA
+2 SECOND YEAR,
PAPER – III, THEORY

Marks : 40

UNIT - I

1. Definition of the following terminologies-peshkar, uthan, chalan,tukuda, paran, kaida, palat, laggi, laddi, mukhda, mohra & Chakradar.
2. Writing different Taals in Bhatkhande Taal Lipi System with Characteristics- Deepchadi, Dhumalli, Dhamar, Rupak, Ektaal, Sultal, Dadra & Keharwa

UNIT - II

1. Write the mukhda and Tihai in different matra of teentaal-7,8,10,13 in bhatkhande taal lipi system.
2. Detailed Study of both Taal Lipi System and write different Taals in this notations- Teental, Ektaal, Jhaptaal, Dhumali, Dadra, Keharawa and Dhamar

UNIT-III

1. Detailed Knowledge about Kala, Laya, Jati, Yati, Prastar from Ten elements of Taal
2. Knowledge about the importance of studying theory in Music

UNIT - IV

1. Study about the method of origin playing technique following – Dheredhere, terekeTe, keTetaka, Gadigana, Kredhan, Tikdan, Traka, Dhatidhaga
2. Writing the different composition of Teentaal, Jhaaptaal, Rupak, in Bhatkhnade Taal Lipi System

UNIT - V

1. Comparative study of Sam-Khali, Kaida-Rela, Tukkuda- Paran, Mukhda-Mohra
2. Study of importance of Taal in Music

TABLA
+2 SECOND YEAR,
PAPER – III, PRACTICAL

Marks : 60

UNIT - I

1. Practise and knowledge of following Theka of taals with ekguna to chouguna with recitation and padhant- Dhumali, Dhamar, Deepchandi, Rupak, Sultal, Ektaal, Teentaal, Choutaal.
2. Ability to play the Kiada of the following words-traka, Dhatidhaga, DhadhaterekeTe, DhaterekeTedhete, teTe, terekeTe, Ghenaga, amd Dhagadhaga

UNIT - II

1. Ability to play Bilambit theka of Ektaal and Teental with Mukhda
2. Practice and Knowledge of tisra and chatusra kaida with palat and tiai in Teentaal and Jhaaptaa.

UNIT - III

1. Practice and knowledge tukuda and Chakradar in Jhaaptaal, Teentaal, Rupak.
2. Ability to play Damdar and Bedamdar Tihai and different tihai from 5,6,7,8 matra in teentaal

UNIT - IV

1. Recitation and Padhant of different taals and bols of teentaal, Jhaptaal, rupak with taali and Khalli
2. Practice of rela in following word-terekeTe, Dherekete, TakaterekTe.

UNIT - V

1. Playing laggi and laddi with dadra and keharwa with variation and bant
2. Ability to play Nagma in mentioned Taal or singing a chota kheyal bandish of any raga

TABLA
+2 SECOND YEAR
PAPER – IV, THEORY

Marks : 40

UNIT - I

1. Definition of the following terms: Layakari, Padhant, Peshkar, Chalan, Nawahakka tihai, Namaskar tihai, Dhrupad, thumuri, Bhajan, ghazal.

UNIT - II

1. Detailed Study of the importance of laya in music
2. Study on the different gharans and their playing style- Banaras, Farukkabad, Punjab.

UNIT - III

1. Comparative study of taals with equal beats and their reason- deepchandi. Dhamar, sultal-jhaaptaal, rupak-tewra
2. Study on Importance of music in life

UNIT - IV

1. Study on Importance of Guru Sikhshya Parampara
2. Study on classification of Indian Instrument, special study of Ghana and percussion instrument

UNIT – V

1. Life Sketch
 - (i) Pt. Umesh Chandra Kar
 - (ii) Pt. Kisan Maharaj
 - (iv) Pt. Gyan Prakash Ghosh
 - (v) Ustad AllaRakha

TABLA
+2 SECOND YEAR
PAPER – IV, PRACTICAL

Marks : 60

UNIT - I

1. Special preparation of complete tabla solo from the following taal with different items: teentaal, jhaaptaal
2. Ability to play tukuda, chakradar and tihai in ektaal and rupak

UNIT - II

1. Practice and knowledge of Kaida(tisra and chatusra) tukuda, charadar in teentaal and jhaaptaal
2. Ability to play rela with bistar, and Tihai in teentaal, jhaaptaal

UNIT - III

1. Practice and knowledge of different bols in rupak taal (10 marks)
2. Practice and knowledge of basic compositions(kaida) of delhi Ghrana

UNIT - IV

1. Ability to play peshkar in jhaaptaal and teentaal.
2. Ability to play mukhda and tihai in different matra in teentaal and jhaaptaal

UNIT - V

1. Ability to play different theka, ekgun to chougun in the following- ektaal choutaal, rupak, jhaaptaal dhumali, teentaal, deepchandi, dhama
2. Ability to play nagma in harmonium or singing one bandish from any raga or accompany with chotakkheyal