

Half-yearly Examination Syllabus
Class XII(Humanities)

English

- 1) Comprehension passage
- 2) Case based passage
- 3) Notice writing
- 4) Invitations and replies
- 5) Letter to editor
- 6) Application for job
- 7) Chapter The last lesson
- 8) Lost spring
- 9) Deep water
- 10)The Rat trap
- 11)The tiger king
- 12)Journey to the end of the earth
- 13)Memories of childhood
- 14)Poem my mother at 66
- 15)Keeping quiet
- 16)A Thing of beauty
- 17)Aunt Jennifer's tigers

HISTORY;

- 1.Bricks, Beads and Bones
- 2.Kings, Farmers and Towns
- 3.Kinship, Caste and Class
- 4.Thinkers, Belief and Buildings
- 5.Through the Eyes of the Travellers

GEOGRAPHY:

Fundamentals of Human Geography

1. Human Geography: Nature and Scope
2. The World Population: Distribution, Density and Growth

3. Human Development
4. Primary Activities
5. Secondary Activities
6. Tertiary and Quaternary Activities

India People and Economy

1. Population: Distribution, Density, Growth and Composition
2. Human Settlements
3. Land Resources and Agriculture

Map Work:

1. Areas of Subsistence Gathering
2. Major areas of Nomadic Herding in the world
3. Major areas of Commercial Livestock Rearing
4. Major areas of Commercial Grain Farming
5. Major areas of Mixed Farming in the world
6. States with highest and lowest population density (2011)
7. Leading Producing States of following crops-
 - a. Rice
 - b. Wheat
 - c. Cotton
 - d. Jute
 - e. Sugarcane
 - f. Tea
 - g. Coffee

POLITICAL SCIENCE"

Book I

- 1.The End of Bipolarity
- 2.Center of Power
- 3.Contemporary South Asia

4. International Organization

Book II

1. Challenges of Nation Building

2. Planned Development

3. Era of One Party Dominance

आरोह (काव्य खंड)

- * आत्म परिचय

- * पतंग

- * कविता के बहाने

- * बात सीधी थी पर

- * कैमरे में बंद अपाहिज

गद्य खंड

- * भक्तिन

- * बाजार दर्शन

- * काले मेघा पानी दे

पूरक-पुस्तिका वितान

- * सिल्वर वेडिंग

अभिव्यक्ति और माध्यम

- * अप्रत्याशित विषयों पर लेखन

- * विभिन्न माध्यमों के लिए लेखन

- * विशेष लेखन: स्वरूप और प्रकार

- * पत्रकारिता लेखन के विभिन्न

रूप व लेखन प्रक्रिया विधान

अपठित गद्यांश एवं पद्यांश

Legal Studies

Unit 1: Judiciary

Unit 2: Alternative Dispute Resolution In India (ADR)

Unit 3: Topics in Law I (Business Laws)

Chapter 3 (A): Law of Contract

Chapter 3 (B): Law of Torts

Chapter 3 (C): Law of Property

Chapter 3 (D): Intellectual Property Law

Unit 4: Topics in Law II (General Laws)

Chapter 4 (A): Law and Sustainable Development

Physical Education

Unit 1-Management of Sporting Events: Planning, committees, tournament types (knock-out/league), and fixtures.

Unit 2- Children and Women in Sports: Exercise guidelines, postural deformities, and women's participation factors.

Unit 3 - Yoga as Preventive Measure for Lifestyle Disease: Asanas and pranayamas for obesity, diabetes, and other conditions.

Unit 4- Physical Education and Sports for CWSN: Understanding disabilities and creating inclusive, accessible activities.

Unit 5- Sports and Nutrition: Diet components, eating disorders, and performance nutrition.

MATHS

Relation Function

Inverse Trigonometric functions

Matrices

Determinant

Continuity and Differentiability

Application of Derivatives

Indefinite Integral. Upto Ex 7.7

Mass Media:

UNIT - 1: Selling /Marketing/Exhibiting a Product Through Advertising

UNIT - 2: Introduction to Production Process

Chapter-1 : Film

Chapter-2: TV

Chapter-3: Print

Class 12th **yoga skill subject** (841)*

PART -A: Employability skills

UNIT -1 : communication skills-IV

*communication

*Effective communication

*listening skills

unit- 2: self- management skills-IV

*optimism (positive attitude) and motivation

*stress management

*Being Result -oriented

*self-Awareness

PART -B: SPECIFIC SKILLS

UNIT -1: introduction to yoga and Yogic practices -II

*meditative asanas

*basic type of Pranayama

*types of dhyana

*identify career options in Yoga

*sitting asanas

UNIT -2: INTRODUCTION TO YOGA TEXT -II

*concept of Aahara(diet) according to yogic text

*Basic of yogic
diet

*concept of mental health well -being according to Patanjali yoga

*concept of Healthy living style in Bhagwat Gita

*importance of subjective Experience in daily yoga practice

Hindustani music vocal

1. Brief study of the following -

Alankar,kan,Neend,khatka,Murli,Namak

2.Brief study of the following -

Gram,Murchhana,Alap,Taan

3.Historical development of time theory of Raag

4.Description of prescribed Taala Along with Taal Notation -Thah
,Duguna,Tigun,and Chaugun- jhaptala,Roopak,Dhamar Taal.

Food production

Chapter no. 1_ Indian regional cook

Chapter no. 2_ indian snack

Chapter no. 3_ indian sweets

Chapter no. 4_ indian gravies

Chapter no. 5_ presentation of Indian meals

Chapter no. 6_ food costing

PSYCHOLOGY

Chapter 1. Variations in Psychological Attributes

Chapter 2. Self and Personality

Chapter 3. Psychological Disorders

Chapter 4. Therapeutic Approaches

CLASS XII – ARTIFICIAL INTELLIGENCE (843)

Unit 1 – Python Programming-II

- NumPy
- Pandas
- CSV Files
- DataFrames
- Basic Data Handling and Analysis

Unit 2 – Data Science Methodology

- Data Science Methodology
- Steps of Data Science Methodology
- Model Validation
- Model Performance Evaluation
- Confusion Matrix
- Accuracy
- Precision
- Recall
- F1 Score
- MSE and RMSE

Unit 3 – Making Machines See

- Introduction to Computer Vision
- How Machines See
- Working of Computer Vision
- Image Acquisition
- Image Pre-processing
- Feature Extraction
- Image Analysis
- Applications of Computer Vision
- Challenges and Future of Computer Vision
- Introduction to OpenCV
- Basic Image Processing using OpenCV

Unit 4 – AI with Orange Data Mining Tool

- Introduction to Data Mining
- Introduction to Orange Data Mining
- Orange Interface and Components
- Widgets
- Loading Datasets
- Data Table
- Select Columns
- Data Visualization
- Distributions
- Box Plot
- Scatter Plot
- Creating Basic Orange Workflows
- Interpretation of Visualizations
- ML and Image Processing using Orange

Unit 5 – Introduction to Big Data

- Big Data
- 6Vs of Big Data