

**Class XI (2020–21)**  
**Annual Examination Syllabus**

**Subject: PHYSICAL EDUCATION (048)**

**Theory**

**Max. Marks 70**

**Unit I Changing Trends & Career in Physical Education**

- Meaning & definition of Physical Education
- Aims & Objectives of Physical Education
- Career Options in Physical Education
- Competitions in various sports at national and international level
- Khelo-India Program

**Unit II Olympic Value Education**

- Olympics, Paralympics and Special Olympics
- Olympic Symbols, Ideals, Objectives & Values of Olympism
- International Olympic Committee
- Indian Olympic Association

**Unit III Physical Fitness, Wellness & Lifestyle**

- Meaning & Importance of Physical Fitness, Wellness & Lifestyle
- Components of physical fitness and Wellness
- Components of Health related fitness

**Unit IV Physical Education & Sports for CWSN (Children With Special Needs- Divyang)**

- Aims & objectives of Adaptive Physical Education
- Organization promoting Adaptive Sports (Special Olympics Bharat; Paralympics; Deaflympics)
- Concept of Inclusion, its need and Implementation
- Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & special Educator)

**Unit V Yoga**

- Meaning & Importance of Yoga
- Elements of Yoga
- Introduction - Asanas, Pranayam, Meditation & Yogic Kriyas
- Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Shashankasana, Naukasana, Vrikshasana (Tree pose), Garudasana (Eagle pose)
- Relaxation Techniques for improving concentration – Yog-nidra

**Unit VI Physical Activity & Leadership Training**

- Leadership Qualities & Role of a Leader
- Creating leaders through Physical Education
- Meaning, objectives & types of Adventure Sports (Rock Climbing, Tracking, River Rafting, Mountaineering, Surfing and Para Gliding)
- Safety measures to prevent sports injuries

**Unit VII Test, Measurement & Evaluation**

- Define Test, Measurement & Evaluation
- Importance of Test, Measurement & Evaluation In Sports
- Calculation of BMI & Waist - Hip Ratio
- Somato Types (Endomorphy, Mesomorphy & Ectomorphy)
- Measurement of health related fitness

**Unit VIII Fundamentals of Anatomy, Physiology & Kinesiology in Sports**

- Definition and Importance of Anatomy, Physiology & Kinesiology
- Function of Skeleton System, Classification of Bones & Types of Joints
- Properties and Functions of Muscles
- Function & Structure of Respiratory System and Circulatory System
- Equilibrium – Dynamic & Static And Centre of Gravity and its application in sports

#### **Unit X Training and Doping in Sports**

- Meaning & Concept of Sports Training
- Principles of Sports Training
- Warming up & limbering down
- Skill, Technique & Style
- Concept & classification of doping
- Prohibited Substances & their side effects
- Dealing with alcohol and substance abuse

#### **Practical**

**Max. Marks 30**

- |   |           |
|---|-----------|
| 01. Physical Fitness Test   | - 6 Marks |
| 02. Proficiency in Games and Sports (Skill of any one Game of choice from the given list*)- 7 Marks |           |
| 03. Yogic Practices   | - 7 Marks |
| 04. Record File **  | - 5 Marks |
| 05. Viva Voce (Health/ Games & Sports/ Yoga)  | - 5 Marks |

#### **Subject:- History**

- 1 Writing in Mesopotamia
- 2 Roman Civilizations
- 3 Islamic World (map)
- 4 Three Orders
- 5 Changing Cultural Traditions
- 6 Displacing Indigenous people
- 7 Industrial Revolutions
- 8 Paths to Modernizations

#### **Subject: Geography (079)**

Max. Marks: 100  
Theory: 70  
Practical: 30

#### **THEORY:**

##### **BOOK A-**

1. Geography as a discipline
2. Interior of the earth
3. Distribution of ocean
4. Geomorphic process
5. Minerals and rocks

##### **BOOK –B**

1. Location and setting- our country India
2. Drainage
3. Natural vegetation
4. Environmental pollution, sustainability
5. Natural hazards

**PRACTICAL-**

1. Introduction of maps
2. Scale
3. Latitude, longitude and time scale
4. Arial photography
5. Weather instruments
6. Remote sensing

**Subject : Physics [042]**

<b>Unit</b>	<b>Chapter</b>	<b>Topic</b>
II	3,4	Motion in St. line Motion in Plane
III	5	Laws of motion
IV	6	Work, Energy and Power
V	7	Rotational motion & Moment of inertia
VI	8	Gravitation
VII	9,10,11	Properties of bulk matter and thermal properties
X	14,15	Oscillations and Waves

**Subject-Chemistry**

Chapter

1. Structure of atom
2. Classification of elements
3. Chemical bonding
4. State of matter
5. Thermodynamics
6. Equilibrium
7. Redox reaction
8. P- block elements
9. Some basic concept of organic chemistry
10. Hydrocarbon ( only alkane and alkene part and their property)

**Subject :BIOLOGY**

Chapter-2: Biological Classification

Chapter-3: Plant Kingdom

Chapter-5: Morphology of Flowering Plants

Chapter-7: Structural Organization in Animals

Chapter-8: Cell-The Unit of Life

Chapter-9: Bio-molecules

Chapter-10: Cell Cycle and Cell Division

Chapter-13: Photosynthesis in Higher Plants

Chapter-15: Plant Growth and Development

Chapter-17: Breathing and Exchange of Gases

Chapter-18: Body Fluids and Circulation

Chapter-19: Excretory Products and their Elimination

Chapter-21: Neural Control and Co-ordination

Chapter-22: Chemical Co-ordination and Integration

## **SUBJECT – HINDUSTANI PERCUSSION INSTRUMENT (TABLA) 036**

Max. Marks: 100

Theory: 30

Practical: 70

- 1- Biography (Ut. Alla Rakkha & Pt. Kisan Maharaj)
- 2- Layakari ( Thah, Dugun ,Tigun & Chaugun )
- 3- Notation ( Kayda,Palta,Tihai,Chakkardaar Tukda,Ada Laya Kayda, Rela)
- 4- Short Notes ( Peshkar, Kayda Chakkardaar Tukda)
- 5- History of Tabla
- 6- Gharana Chart

### **PAINTING.....**

**THEORY.....[Unit 1] The Rajasthani and Pahari school of Miniature painting , object Q**

**FROM all units ,**

**COLOUR CHART . [Marks.. 30]**

### **ENGLISH CORE**

#### **READING SECTION:**

Unseen Passage( Discriptive, Literary,Factual)

Unseen Passage(Case-Based)

#### **GRAMMAR:**

Gap Filling(Determiners And Tenses)

Re-Ordering Of Words And Sentences

Note- Making

Writing section:

Notice-Writing

Poster Making

Invitation And Replies

Speech Writing

Business Official Letters- Enquiries, Complaints, Asking For /Giving Information, Placing Order, Sending Replies, Letter To School / College Authorities.

#### **LITERATURE SETION:**

Hornbill:

The portrait of a lady

We are not afraid to die

Discovering tut

The laburnum top

Landscape of the soul

The voice of the rain

The ailing planet

Childhood

Snapshots:

The summer of the beautiful white horse

The address

Ranga's marriage

Albert einstien at school

Mother's day

BIRTH

## **PSYCHOLOGY**

- Chapter 1-What is Psychology?
- Chapter-2 Methods of Enquiry in Psychology
- Chapter -3 The Bases of Human Behaviour
- Chapter-4 Human Development
- Chapter-5 Sensory, Attention and Perceptual Processes
- Chapter -6 Learning
- Chapter-7 Memory

### **(हिंदी)**

#### **\*आरोह (गद्य)**

1. नमक का दरोगा
2. मियां नसीरुद्दीन
3. गलता लोहा
4. स्पीति में बारिश
5. जामुन का पेड़
6. भारत माता

#### **\*आरोह (पद्य)**

1. एक गीत (बच्चन)
2. कबीर दास
3. मीराबाई
4. सुमित्रानंदन पंत
5. भवानी प्रसाद मिश्र
6. दुष्यंत कुमार
7. निर्मला पुतुल

#### **\*वितान**

1. भारतीय गायिकाओं में बेजोड़ लता मंगेशकर
2. राजस्थान की रजत बूंदें
3. आलो आंधारि अभिव्यक्ति एवं माध्यम
1. स्थिति एवं घटना के आधार पर दृश्य लेखन
2. औपचारिक पत्र
3. स्वतंत्र लेखन
4. व्यावहारिक लेखन (परिपत्र, प्रतिवेदन, प्रेस विज्ञप्ति, कार्यसूची, कार्यवृत्त)
5. शब्दकोश परिचय से संबंधित प्रश्न
6. जनसंचार माध्यम एवं पत्रकारिता के विविध आयाम

#### **\*अपठित गद्यांश/ अपठित पद्यांश**

## **SUBJECT- ECONOMICS**

### **Part-a Microeconomics**

1. Introduction
2. Consumer Equilibrium
3. Theory and Elasticity of Demand
4. Production function
5. Concept of cost and Revenue
6. Producer Equilibrium
7. Theory and elasticity of Supply
8. Forms of Market (Perfect Competition Market and oligopoly market)
9. Administrative price (Price ceiling and Price floor)

### **Part-B Statistics**

1. Introduction of Statistics

2. Collection of Data
3. Organization of Data
4. Presentation of data
5. Measures of Central Tendency
6. Correlation
7. Index number

## **ACCOUNTANCY ANNUAL SYLLABUS FOR CLASS XI**

PART A- Financial Accounting

Unit 1: Theoretical framework-15 marks

Unit 2- Accounting process-40 marks

PART B-Financial Accounting Part II

Unit 3- Financial Statement of sole-proprietorship from complete and incomplete records-35 marks.

PART C-Project work-20 marks

## **BUSINESS STUDIES ANNUAL SYLLABUS FOR CLASS XI**

***PART: Foundation of business***

Unit 1: Nature and purpose of business

Unit 2: Forms of business organization.

Unit 3: Private and public enterprises

Unit 4: Business services

Unit 5: Emerging modes of business

Unit 6: Social Responsibilities

***PART B- Finance and trade***

Unit 7: Sources of business finance

Unit 8: Small Business

Unit 9: Internal Trade

Unit 10: International business

***PART C- PROJECT WORK (20)***

***NOTE: EXCLUDED TOPICS HAS ALREADY BEEN CONVEYED TO SUDENTS***

### **Mathematics**

1-Trigonometric functions

2-Permutation and Combination

3-Sequence and Series

4-Straight Lines

5-Conic section (Circle and parabola)

6-Linear Inequality

7-Introduction to 3D

8-Limits and Derivatives

9-Statistics

10-Probability

NOTE: Question Paper will be of 80 marks.

### **Annual Syllabus of Political Science,Class XI 2020-21**

Book I: Indian Constitution at Work

Ch 1: Philosophy of the Constitution

Ch 2: Rights of the Indian Constitution

Ch 3: Election and Representation

Ch 4: Executive

Ch 5: Legislative

Ch 6: Judiciary

Ch 7: Local Government

Book II : Political Theory  
Ch 1: Political Theory: An Introduction  
Ch 2: Freedom  
Ch 3: Equality  
Ch 4: Social Justice  
Ch 5: Rights  
Ch 6: Peace

### Computer Science XI-

1. Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits  
Number System: numbers in base 2, 8, 16 and binary addition. Concept of Compiler and Interpreter
2. Execution of a program, errors- syntax error, run-time error and logical error.
  - Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.
  - Notion of iterative computation and control flow: for(range(),len()), while, using flowcharts, suggested programs: calculation of simple and compound interests, finding the factorial of a positive number etc.
  - Strings: Traversal, operations – concatenation, repetition, membership; functions/methods–len(), capitalize(), title(), upper(), lower(), count(), find(), index(), isalnum(), islower(), isupper(), isspace(), isalpha(), isdigit(), split(), partition(), strip(), lstrip(),rstrip(), replace(); String slicing.
  - Lists: Definition, Creation of a list, Traversal of a list. Operations on a list - concatenation, repetition, membership; functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), min(), max(), sum(); Lists Slicing; Nested lists; finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.
3. Tuples: Definition, Creation of a Tuple, Traversal of a tuple. Operations on a tuple - concatenation, repetition, membership; functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); Nested tuple; Tuple slicing; finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.
  - Dictionary: Definition, Creation, Accessing elements of a dictionary, add an item, modify an item in a dictionary; Traversal, functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted() copy(); Suggested programs
4. Introduction to Python modules: Importing math module
5. **Society, Law and Ethics**-Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying.
  - Appropriate usage of social networks: spread of rumours, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules.
  - Safely accessing web sites: adware, malware, viruses, trojans
  - Safely communicating data: secure connections, eavesdropping, phishing and identity verification.
  - Intellectual property rights, plagiarism, digital rights management, and licensing (Creative Commons, GPL and Apache), open source, open data, privacy.

- Privacy laws, fraud; cyber-crime- phishing, illegal downloads, child pornography, scams; cyber forensics, IT Act, 2000.
- Technology and society:
- understanding of societal issues and cultural changes induced by technology.
- E-waste management: proper disposal of used electronic gadgets.
- Identity theft, unique ids and biometrics.
- Gender and disability issues while teaching and using computers.