



OFFLINE ANNUAL EXAMINATION

SYLLABUS AND BLUEPRINT

SESSION: 2020-21

CLASS-XI

SUBJECT: PHYSICS

| Syllabus (Theory) | | | |
|-------------------|----------------|---|------------------------|
| Serial No. | Chapter Number | Name of the Chapter | Allotted Marks |
| 1 | 4 | Motion in a Plane (Vectors, Projectile motion, Circular motion) | 8 |
| 2 | 5 | Laws of Motion (includes Friction) | 8 |
| 3 | 6 | Work, Energy and Power | 12 |
| 4 | 8 | Gravitation | 10 |
| 5 | 9 & 10 | Properties of Solids and Liquids | 12 |
| 6 | 12 & 13 | Heat and Thermodynamics | 10 |
| 7 | 14 & 15 | Oscillations and Waves | 10 |
| | | | Total Marks: 70 |

| Marking Scheme | | | |
|--------------------|----------------------------------|---------------------|-------------|
| Serial No. | Type Of Question | Number of Questions | Total Marks |
| 1 | MCQ (1 mark) | 10 | 10 |
| 2 | VSA (1 mark) | 10 | 10 |
| 3 | Assertion and Reasoning (1 mark) | 2 | 2 |
| 4 | SA (2 marks) | 9 | 18 |
| 5 | SA (3 marks) | 5 | 15 |
| 6 | LA (5 marks) | 3 | 15 |
| Grand Total | | 39 | 70 |

SUBJECT: ACCOUNTANCY

| Syllabus | Blueprint |
|---|---|
| <p>Part A: Financial Accounting – I</p> <ul style="list-style-type: none">• Introduction to Accounting• Theory Base of Accounting• Recording of Business Transactions• Bank Reconciliation Statement• Depreciation, Provisions and Reserves• Accounting for Bills of Exchange• Trial Balance and Rectification of Errors <p>Part B: Financial Accounting-II</p> <ul style="list-style-type: none">• Financial Statements• Incomplete Records | <p>There will be 8 questions with a total of 10 marks each.</p> |

SUBJECT: POLITICAL SCIENCE

| Syllabus | Blueprint |
|--|--|
| THEORY (80 marks) | |
| <u>BOOK – INDIAN CONSITUTION AT WORK</u> Chapters- CONSITUTION: WHY AND HOW?, ELECTION AND REPRESENTATION, EXECUTIVE, LEGISLATURE, JUDICIARY, FEDERELISM | <u>TOTAL MARKS- 80</u> 21x 1 mark = 21 6 x 2marks = 12 5 x 4 marks = 20 3 x 5 marks= 15 2 x 6 marks = 12 |
| PRACTICAL(20 marks) | |
| <u>PRACTICAL:</u> Political Science Individual Project Work + Art Integration Work | 20 marks |

SUBJECT: ENGLISH

| Syllabus | Blueprint |
|---|--|
| ASL (Assessment of listening and speaking) | 10+10=20marks |
| Reading (Two unseen passages) 1. Comprehension 2. Note making and summarisation | 10+8=18marks(All MCQs) 8 marks |
| Writing 1.Short compositions a. Notices b. Poster 2. Long compositions a. Business or Official Letters b. Speech Grammar a. Gap filling b. Re-ordering of sentences | 3+3(two short writing skills) 5+5(two long writing skills) Total=16 1.MCQ on gap filling(4x1=4) 2.MCQ on re-ordering (4x1=4) |
| Literature Hornbill Prose a. The Portrait of a Lady b. We're not Afraid to Die...if We Can All Be Together c.Discovering Tut; the Saga Continues d. Landscape of the Soul e. The Ailing Planet: the Green Movement's Role f. The Browning Version Poetry a. A Photograph b. The Laburnum Top c. The Voice of the Rain d.Childhood Snapshot a. The Summer of the Beautiful White Horse b. The Address | 1. MCQs from poetry (Hornbill) three questions one mark each. (3x1=3) 2. MCQs based on two prose extracts from (Hornbill as well as Snapshot). (6x1=6) 3. MCQs from prose and poetry. (5x1=5) 4. Two short answer type questions from Hornbill. (2x2=4, 30-40 words) 5. One short answer type question from prose from Snapshot. (1x2=2,40-50 words) 6. One long answer type question from prose/poetry (Hornbill). (1x5=5,120-150 words) 7. One long answer type question from Snapshot. (1x5=5, 120-150 words) |

| | |
|------------------------------|--|
| c. Ranga's Marriage | |
| d. Albert Einstein at School | |
| e. Mother's Day | |
| f. Birth | |

PART A (40 marks)

| | |
|--|--------------------|
| 1. Reading: (Two unseen passages) MCQs) | 10+8=18marks (All |
| 2. Grammar: | 4+4=8marks |
| (i) MCQ on gap filling | (4x1=4) |
| (ii) MCQ on re-ordering of sentences | (4x1=4) |
| 3. Literature: 14 marks (All MCQs) | |
| (i) MCQs from poetry (Hornbill) three questions one mark each. | (3x1=3) |
| (ii) MCQs based on two prose extracts from (Hornbill as well as Snapshot) | (6x1=6) |
| (iii) MCQs from prose and poetry | (5x1=5) |

PART B (40 marks)

| | |
|---|------------------------|
| Reading: | 8 marks |
| Note making and summarization based on a passage | |
| Writing: | 16 marks |
| 1.Short compositions | (3x2=6) |
| a. Notices | |
| b. Poster | |
| 2. Long compositions | (5x2=10) |
| a. Business or Official Letters | |
| b. Speech | |
| Literature | (16 marks) |
| 3. Two short answer type questions from Hornbill | (2x2=4, 30-40 words) |
| 4. One short answer type question from prose from Snapshot | (1x2=2, 40-50words) |
| 5. One long answer type question from prose/poetry Hornbill | (1x5=5,120-150 words) |
| 6.One long answer type question from Snapshot | (1x5=5, 120-150 words) |

SUBJECT:ENTREPRENEURSHIP

| SYLLABUS | BLUEPRINT |
|--|---|
| <p>UNIT 3. Entrepreneurial Journey</p> <p>UNIT 4. Entrepreneurship as Innovation and Problem Solving</p> <p>UNIT 5. Concept of Market</p> <p>UNIT 6. Business Finance and Arithmetic</p> <p>Unit 7 . Resource Mobilization</p> | <p>TOTAL Marks(THEORY): 70</p> <p>Practical (PROJECT WORK) : 30</p> <p>TOTAL MARKS :100</p> <p>Time Allowed: 3 Hrs</p> <ol style="list-style-type: none">1. There is no overall choice, though internal choice will be given.2. Total no. Of questions: 353. Question numbers 1 to 21 are Objective type Multiple choice questions - 1 marks each.4. Question numbers 22 to 26 are short questions - 2 marks each.5. Question numbers 27 to 29 - 3 marks each.6. Question numbers 30 to 32 - 4 marks each.7. Question numbers 33 to 35 are long answer questions - 6 marks each. |

SUBJECT: CHEMISTRY

| Sl. No. | Name of the Unit | Marks |
|---------|--|-------|
| 1. | Some Basic Concepts of Chemistry | 8 |
| 2. | Classification of Elements and Periodicity in Properties | 8 |
| 3. | Chemical Bonding and Molecular Structure | 8 |
| 4. | States of Matter: Gases and Liquids | 8 |
| 5. | Chemical Thermodynamics | 8 |
| 6. | Equilibrium | 8 |
| 7. | Hydrogen | 6 |
| 8. | Organic Chemistry: Some basic Principles and Techniques | 8 |
| 9. | Hydrocarbons | 8 |

| Marks | No. of Question | Total Marks |
|-------|-----------------|-------------|
| 1 | 22 | 22 |
| 2 | 9 | 18 |
| 3 | 5 | 15 |
| 5 | 3 | 15 |

SUBJECT: SOCIOLOGY

| Syllabus | Blueprint |
|---|--|
| THEORY (80 marks) | |
| <p style="text-align: center;"><u>BOOK 1 – INTRODUCING SOCIOLOGY</u></p> <p>Chapter2 :-Terms, Concepts and Their use in Sociology</p> <p>Chapter 3:- Understanding Social Institutions</p> <p>Chapter 4:- Culture and Socialisation</p> <p style="text-align: center;"><u>BOOK 2- UNDERSTANDING SOCIETY</u></p> <p>Chapter 2:- Social Change and Social Order in Rural and Urban Society (Topic- Social Change)</p> <p>Chapter 4:- Introducing Western Sociologists (Topics- Three Revolutions and Karl Marx)</p> <p>Chapter 5:- Indian Sociologists (Topics- G.S Ghurye, A.R Desai and M.N Srinivas)</p> | <p style="text-align: center;"><u>TOTAL MARKS- 80</u></p> <p>24x 1 mark = 24</p> <p>10 x 2marks = 20</p> <p>6 x 4 marks = 24</p> <p>2 x 6 marks= 12</p> |
| PRACTICAL(20 marks) | |
| <p style="text-align: center;"><u>PRACTICAL:</u></p> <p>Sociology Individual Project Work + Art Integration Work</p> | <p>20 marks</p> |

SUBJECT: BUSINESS STUDIES

| Ch.No. | Name of the Chapter | Omitted |
|--------|--|---|
| 1. | Nature and Purpose of Business | History of Trade and Commerce |
| 2. | Forms of Business (including Formation of Company) | Co operative Organisation, Joint Hindu Family Business |
| 3. | Public, Private and Global Enterprises | Multinational Companies, Joint Venture, Public Private Partnership |
| 7. | Sources of Business Finance | Inter-corporate Deposits |
| 8. | Small Business | --- |
| 9. | Internal Trade | Itinerants and its types, GST |
| 10. | International Business | Mode of Entering into International Business, Export-Import Documents, Important Terms used in External Trade, World Trade Organisation |

BluePrint

| Marks | No. of Questions | Total Marks |
|------------------------------------|------------------|-------------|
| 1 | 20 | 20 |
| 3 | 4 | 12 |
| 4 | 6 | 24 |
| 6 | 4 | 24 |
| (THEORY) TOTAL MARKS | | 80 |
| PRACTICAL (Project + Presentation) | | 20 |

SUBJECT: PHYSICAL EDUCATION

| SYLLABUS | BLUEPRINT |
|---|---|
| <p>Ch 1 Changing trends & career in Physical Education</p> <p>Ch 2 Olympic value Education</p> <p>Ch 3 Physical fitness, wellness & lifestyle</p> <p>Ch 4 Physical Education and Sports for CWSN</p> <p>Ch 5 Yoga</p> <p>Ch 6 Physical activity & leadership training</p> <p>Ch 7 Test, measurement & Evaluation</p> <p>Ch 8 Fundamentals of Anatomy, Physiology & Kinesiology in sports</p> <p>Ch 9 Psychology and Sports</p> <p>Ch 10 Training and Doping in Sports</p> | <p>Maximum Marks:70 Time Allowed: 3 Hrs</p> <ol style="list-style-type: none">1. Question paper consists of 30 questions and all are compulsory.2. Question paper is divided into 4 Sections – A, B, C and D.3. Section A, question numbers 1 to 12 is very short / multiple choice questions- 1 mark each.4. Section B, question numbers 13 to 16 – 2 marks each.5. Section C, question numbers 17 to 26 – 3 marks each.6. Section D, question numbers 27 to 30 – 5 marks each. |

SUBJECT: MATHEMATICS

1) Question paper contains two parts A and B. Each part is compulsory.

Part A carries 24 marks and Part B carries 56 marks.

2) Part-A has **Objective Type Questions** and Part -B has **Descriptive Type Questions**

3) Both Part A and Part B have choices.

4) Part – A consists of two sections- I and II.

Section I comprises of **16 very short answer** type questions.

Section II contains **2 case studies**. Each case study comprises of 5 case-based MCQs.

An examinee is to attempt any 4 out of 5 MCQs.

5) Part – B consists of three sections- III, IV and V.

Section III comprises of **10 questions of 2 marks each**.

Section IV comprises of **7 questions of 3 marks each**.

Section V comprises of **3 questions of 5 marks each**.

6) Internal choice is provided in 3 questions of Section –III, 2 questions of Section IV and 3 questions of Section-V.

| | |
|----------------------|-------------------------------------|
| PART-A (24 Marks) | SEC-I (16 Ques×1 M=16 M) |
| | SEC-II (2 Case Studies) (8Ques×1 M) |
| PART-B (56 Marks) | SEC-III (10 Ques×2 M=20 Marks) |
| | SEC-IV (7 Ques×3M=21 Marks) |
| | SEC-V (3 Ques×5M=15 marks) |

Syllabus:

| Chapter No. | Chapter Name |
|-------------|--|
| 1 | Sets |
| 2 | Relations and Functions |
| 3 | Trigonometric Functions |
| 5 | Complex Numbers and Quadratic Equations |
| 6 | Linear Inequalities (Only Ex: 6.3) |
| 7 | Permutations and Combinations |
| 9 | Sequences and Series(upto Ex: 9.4) |
| 10 | Straight Lines (upto Ex: 10.3) |
| 11 | Conic Sections (upto Ex: 11.4) |
| 12 | Introduction to Three Dimensional Geometry |
| 13 | Limits and Derivatives |
| 15 | Statistics |
| 16 | Probability (upto Ex: 16.2) |

***Lab file: 20 marks**

SUBJECT: APPLIED MATHEMATICS

1) Question paper contains two parts A and B. Each part is compulsory.

Part A carries 24 marks and Part B carries 56 marks.

2) Part-A has **Objective Type Questions** and Part -B has **Descriptive Type Questions**

3) Both Part A and Part B have choices.

4) Part – A consists of two sections- I and II.

Section I comprises of **16 very short answer** type questions.

Section II contains **2 case studies**. Each case study comprises of 5 case-based MCQs.

An examinee is to attempt any 4 out of 5 MCQs.

5) Part – B consists of three sections- III, IV and V.

Section III comprises of **10 questions of 2 marks each**.

Section IV comprises of **7 questions of 3 marks each**.

Section V comprises of **3 questions of 5 marks each**.

6) Internal choice is provided in 3 questions of Section –III, 2 questions of Section IV and 3 questions of Section-V.

| | |
|----------------------|-------------------------------------|
| PART-A (24 Marks) | SEC-I (16 Ques×1 M=16 M) |
| | SEC-II (2 Case Studies) (8Ques×1 M) |
| PART-B (56 Marks) | SEC-III (10 Ques×2 M=20 Marks) |
| | SEC-IV (7 Ques×3M=21 Marks) |
| | SEC-V (3 Ques×5M=15 marks) |

SYLLABUS

Ch(1): Sets (NCERT Ex: 1.1 to 1.4)

Ch(2): Relations and Functions (NCERT full chapter)

Ch(7): Permutations and Combinations (NCERT full chapter)

Ch(9): Sequences and Series

(NCERT full chapter excluding Ex(9.4) and related questions from Miscellaneous Ex.)

Ch(10):Straight Line (NCERT Full Chapter)

Ch(11):Conic Sections(Only Circles)

Ch(13):Limits and Derivatives(NCERT Full Chapter)

Ch (14):Mathematical Reasoning(NCERT Full Chapter)

Ch(15):Statistics (Dispersion, Deviation and Variance, Percentile rank and Quartile rank)

(Exercise 15.1 and 15.2 from NCERT)

In addition to these NCERT Chapters, following topics are also there in the syllabus.

Topic: Probability

(Random experiment, sample space, events, mutually exclusive events, Independent and Dependent Events, Law of Total Probability, Bayes' Theorem)

Topic: Numbers, Quantification and Numerical Applications

(Indices, Logarithm and Antilogarithm , Laws and properties of logarithms, Simple applications of logarithm and antilogarithm, Numerical problems on averages, calendar, time, work and distance, mensuration)

Topic: Basics of Financial Mathematics

(Calculation of Income tax and Goods and Service Tax)

***Lab file: 20 mark**

SUBJECT: BIOLOGY

| Sl No | Name of chapter | Blue print |
|-------|--|--|
| 1 | Chapter 5 : Morphology of flowering plants | 14 X 1 mark = 14 9 X 2 marks = 18 3 X 5 marks = 15 2 X 4 marks = 8 3 X 5 marks = 15 Total= 70 marks |
| 2 | Chapter 8 : Cell : The Unit of Life | |
| 3 | Chapter 9 : Biomolecules (micromolecules , macromolecule and bond - Nucleic acid only) | |
| 4 | Chapter 10: Cell Cycle and Cell Division | |
| 5 | Chapter 13 : Photosynthesis in Higher plants | |
| 6 | Chapter 14 : Respiration in Plants | |
| 7 | Chapter 15 : Plant Growth and Development (Growth regulators) | |
| 8 | Chapter 17 : Breathing and Exchange of Gases | |
| 9 | Chapter 18: Body Fluids and Circulation | |
| 10 | Chapter 19: Excretory products and their elimination | |
| 11 | Chapter 20 : Locomotion and Movement | |
| 12 | Chapter 21 : Neural Control and Coordination | |
| 13 | Chapter 22 : Chemical Control and Coordination | |

SUBJECT: INFORMATIVE PRACTICES

Syllabus:

Unit 2: Introduction to Python Basics of Python programming

Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation and comments, input and output statements, data type conversion, debugging.

Control Statements: if-else, for loop Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.

Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions.

Unit 3: Database concepts and the Structured Query Language Database Concepts:

Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL,

Data Types Data Definition: CREATE TABLE Data Query: SELECT, FROM, WHERE. Data Manipulation: INSERT

Math functions: POWER (), ROUND (), MOD (). Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM (). Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME (). Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*). Querying and manipulating data using Group by, Having, Order by.

Unit 4: Introduction to the Emerging Trends

Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Grid Computing, Block chain technology.

Societal Impacts Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act. E-waste: hazards and management. Awareness about health concerns related to the usage of technology.

Blueprint:

| Unit Name | Total Marks | No.of Questions (1 marks each) | No.of Questions (2marks each) | No. of Questions (3 marks each) |
|---|--------------------|---------------------------------------|--------------------------------------|--|
| Introduction to Python | 30 | --- | 9 | 4 |
| Database concepts and the Structured Query Language | 30 | 10 | 10 | --- |
| Introduction to Emerging Trends | 10 | -- | 5 | --- |
| Total | 70 marks | 10(1 mark each) = 10marks | 24(2 mark each) = 48marks | 4(3 marks each) = 12marks |

SUBJECT: HISTORY

| SYLLABUS | BLUEPRINT |
|--|---|
| <p>Theme 2: Writing and City Life</p> <p>Theme 3: An Empire Across Three Continents</p> <p>Theme 4: The Central Islamic Lands</p> <p>Theme 6: The Three Orders</p> <p>Theme 7: Changing Cultural Traditions</p> <p>Theme 9: The Industrial Revolution</p> <p>Theme 10: Displacing indigenous Peoples</p> | <p>Mark Distribution :-</p> <p>1m x 15 = 15m (Objective Type Question)</p> <p>3m x 3 = 9m (Case Based/ Source Based having Multiple Choice Question)</p> <p>3m x 4 = 12m (Short Answer Questions)</p> <p>8m x 3 = 24m (Long Answer Question)</p> <p>5m x 3 = 15m (Source Based Question)</p> <p>1m x 5 = 5m (Map Question)</p> <p>Total = 80 marks</p> <p>Project = 20 marks</p> <hr/> <p>Grand Total = 100 marks</p> |

SUBJECT: GEOGRAPHY

| SYLLABUS | BLUEPRINT |
|---|---|
| <p>Part A- Fundamentals of Physical Geography</p> <ol style="list-style-type: none">1. Geography as a Discipline4. Distribution of Oceans and Continents6. Geomorphic Processes8. Composition and Structure of the Atmosphere <p>Part B- India: Physical Environment</p> <ol style="list-style-type: none">1. India: Location3. Drainage System5. Natural Vegetation6. Soils <p>Part C- Practicals in Geography</p> <ol style="list-style-type: none">1. Introduction to Maps2. Map Scale3. Latitude, Longitude and Time | <p>Maximum Marks- 100</p> <p>PART A (THEORY): 70 Marks</p> <ol style="list-style-type: none">1. Very short answer questions: 1 x 14 = 14 marks2. Short answer questions: 3 x 7 = 21 marks3. Long answer questions: 5 x 6 = 30 marks4. Map Skill: 1 x 5 = 5 marks <p>PART B (PRACTICALS): 30 Marks</p> <ol style="list-style-type: none">1. Practical exam and viva: 25 marks2. Art Integrated Project: 5 marks |