

## SYLLABUS FOR ANNUAL EXAM SESSION 2018-19

# Physics

Class - XI

1. Units and Measurements
2. Motion in a straight line
3. Motion in a plane
4. Laws of motion  
(Excluding friction and circular motion)
5. Gravitation
6. Mechanical properties of solids
7. Mechanical properties of fluids
8. Thermal properties of matter
9. Thermodynamics
10. Oscillations
11. Waves
12. Ray optics and optical instruments

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## English

Class - XI

### Total Marks: 80 marks

- Passage for Comprehension-12 marks (6+4+2)
- Passage for Note Making & Summary- 8 marks (5+3)
- Notice/ Classifieds-4 marks
- Letters: To the Editor, of Complaint / Enquiry / Placing order / Job Application / Application to the Head of Institute- 6 marks
- Article / Speech / Debate / Report Writing- 10 marks
- Integrated Grammar - 10 marks
- Extract from poem based questions- 3 marks
- Three short Answer questions from both the texts- 9 marks (3 x 3)
- Long Answer questions from Hornbill (choice)- 6 marks
- Long Answer questions from Snapshots (choice)- 6 marks
- Long Answer questions from both texts (choice)- 6 marks

**HORNBILL:** Silk Road, Adventure, The Browning Version, The Ailing Planet, The Portrait of a Lady, Childhood, Father to son.

**SNAPSHOTS:** The Tale of Melon City, Birth, The Ghat of the Only World, Mother's Day, Albert Einstein at School.

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## Biology

Class - XI

1. Animal Kingdom
2. Structural Organisation in Animals
3. Anatomy of Flowering Plants
4. Morphology of Flowering Plants
5. Transport in Plants
6. Mineral Nutrition
7. Photosynthesis
8. Respiration
9. Plant Growth and Development
10. Biomolecules
11. Cell: Structural and Functional Unit of Life
12. Cell Cycle and Cell Division
13. Breathing and Exchange of Gases.
14. Chemical Coordination and Integration
15. Neural Control and Coordination

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## Economics

Class - XI

### MICRO ECONOMICS

- Theory of Demand (Excluding Elasticity of Demand)
- Theory of Supply (Excluding Elasticity of Supply)
- Price Determination
- Production Function
- Theory of Cost
- Revenue
- Producer's Equilibrium
- Markets

### STATISTICS

- Measures of Central Tendency
- Measures of Dispersion
- Correlation
- Index Numbers

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## Home Science

Class - XI

- Chapter 6- Behavioural Problems of Children and Suggestive
- Chapter 7- Prevention from Infectious Diseases
- Chapter 8- Substitute care at Home and outside
- Chapter 9- Special Needs of Disadvantaged Children
- Chapter 10- First Aid
- Chapter 11- Food, Nutrition, Health and Fitness
- Chapter 12- Functions of Food
- Chapter 13- Selection of Food for Optimum Nutrition and Health
- Chapter 14- Vitamins
- Chapter 15- Minerals
- Chapter 16- Selection and Storage of food products
- Chapter 17- Food Preservation
- Chapter 18- Cooking of Food
- Chapter 19- Concept of Family
- Chapter 20- Resources
- Chapter 21- Management Process
- Chapter 22- Time and Energy Management
- Chapter 26- Introduction to Fibre Science
- Chapter 27- Fabric Construction
- Chapter 28- Finishing of Fabrics
- Chapter 29- Respect for girl Child
- Chapter 30- Income Generating Schemes

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# Geography

Class - XI

- Book 1- Fundamentals of Physical Geography  
Unit- 2, 4, 5
- Book 2- India: Physical Environment  
Chapters - 1 to 7

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**Psychology**

Class - XI

Chapter 2- Methods of enquiry in psychology

Chapter 4- Human Development

Chapter 5- Sensory, Attentional & Perceptual Processes

Chapter 6- Learning

Chapter 7- Human Memory

Chapter 8- Thinking

Chapter 9- Motivation & Emotion

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## Fine Art

Class - XI

### THEORY ( 40 MARKS)

1. Art - an introduction (objective type questions)
2. Study of Prehistoric Rock Painting
  - i. A Roaring Animal
  - ii. Wizard's Dance
3. Art of Indus Valley
  - Introduction
  - Study of artworks-
    - i. Dancing Girl
    - ii. Male Torso
    - iii. Mother Goddess
    - iv. Study of unicorn Bull (Seal)
    - v. Painted Earthenware
4. Art during Mauryan, Shunga, Kushana & Gupta periods
  - Introduction
  - Study of Sculptures-
    - i. Lion Capital
    - ii. Chauri Bearer
    - iii. Bodhisattva Head
    - iv. Jain Jirthankara
5. Art of Ajanta Caves
  - i. Padmapani Bodhisattva
  - ii. Maravijay
6. Indian Temple Sculptures
  - i. Descent of Ganga
  - ii. Trimurti
  - iii. Cymbal Player, Sun Temple
  - iv. Mother & Child

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**Political Science**

Class - XI

**BOOK A: Indian Constitution At Work**

Chapters 3 to 7

**BOOK B: Political Theory**

Chapters 1 to 10

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## Chemistry

Class - XI

1.	Mole Concept (Mass %, Molarity, Molality, Normality, Mole fraction, ppm)	3
2.	Chemical Bonding	4
3.	Periodic classification of elements	3
4.	Redox reactions	4
5.	Thermodynamics	5
6.	Chemical & Ionic equilibrium	7
7.	General Organic Chemistry	10
8.	Hydrocarbons	12
9.	Hydrogen	4
10.	S block	6
11.	P block	10
12.	Environmental Chemistry	2

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## **Business Studies**

Class - XI

Chapter 2 forms of business organisations

Chapter 3 public , private and global Enterprises

Chapter 6 social responsibilities of business and business ethics

Chapter 7 sources of Business Finance

Chapter 8 small business

Chapter 9 internal trade

Chapter 10 international trade

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## Maths

Class - XI

1. Sets
2. Trigonometry
3. Principle of Mathematical Induction
4. Linear Inequations
5. Permutations and Combinations
6. The straight Lines
7. Conic Sections (Circle, Parabola, Ellipse, Hyperbola)
8. Three Dimensional Geometry
9. Limits and Derivatives
10. Statistics
11. Probability

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## History

Class - XI

1. An empire across three continents
2. Central Islamic lands
3. Three orders
4. Changing cultural traditions
5. Confrontation of cultures
6. The Industrial Revolution
7. Displacing indigenous People
8. Writing and City Life
9. Paths to Modernization

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## Accountancy

Class - XI

1.	Theory Base of Accounting	3
2.	Journal	10
3.	Special Purpose Books - II other Books	5
4.	Depreciation	14
5.	Provisions and Reserves	3
6.	Accounting for Bills of Exchange	9
7.	Financial Statements of Sole Proprietorship	8
8.	Adjustment in Preparation of Financial Statements	15
9.	Accounts from Incomplete Records - Single Entry System	19
10.	Computers in Accounting	3
11.	Accounting software - Tally	1
12.	Practical File	10

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## French

Class - XI

1. Compréhension
2. Compréhension écrite
3. Histoire
4. Grammaire
  - i. Temps Convenable
  - ii. Actif - Passif
  - iii. Subjonctif
  - iv. Pronom Personnel
  - v. Pronom Rétatif
  - vi. Passé Simple
  - vii. Corrigez
  - viii. Posez la question
  - ix. Metter en ordre.
5. Civilisation

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## Physical Education

Class - XI

1. Yoga and Lifestyle
2. Test and Measurement in sports
3. Kinesiology, Biomechanics and sports
4. Training in sports
5. Kinesiology, Biomechanics and sports (class - XI)
6. Training in sports (class - XI)

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MUSIC

Class - XI

1. थाट, सप्तक और लय को परिभाषित करते हुए इनके प्रकार लिखिए। 6
2. रागों का परिचय देते हुए आरोह, अवरोह, पकड़ एवं विशेषताएँ लिखिए। 6
  - (i) जौनपुरी
  - (ii) वृंदावनी सारंग
  - (ii) भैरवी
3. घराना और घुपद पर प्रकाश डालिए। 6
4. निम्नलिखित को परिभाषित कीजिए। 6
  - (i) राग
  - (ii) नाद
  - (iii) संगीत
  - (iv) लक्षण गीत
  - (v) अलंकार
  - (vi) अनिबद्धगान
  - (vii) थाट
  - (viii) निबद्धगान
5. जीवन परिचय लिखित : - 6
  - (i) वि. न. भातखंडे
  - (ii) तानसेन
  - (iii) विष्णु दिगम्बर
6. खयाल और नाट्यशास्त्र पर टिप्पणी कीजिए। 6
7. किन्हीं चार तालों की ठाह व दुगुन लिखित। 6
  - (i) सुलताल
  - (ii) चौताल
  - (iii) तीनताल
  - (iv) कहरवा
  - (v) दादरा
  - (vi) एकताल
8. अपने पाठ्यक्रम में से एक राग के छोटे और बड़े खयाल की स्वरलिपि कीजिए। 6

पाठ्यक्रम वार्षिक परीक्षा (2018-19)

कक्षा - XI

हिन्दी

1. मीरा
2. (i) हे! भूख मत मचल  
(ii) हे! मेरे जूही के फूल जैसे ईश्वर
3. सबसे खतरनाक
4. आओ, मिलकर बचाए
5. नमक का दारोगा
6. गलता लोहा
7. रजनी
8. जामुन का पेड़
9. भारत माता
10. चंपा काले - काले अच्छर नही चीन्हतीं
11. घर की याद
12. संचयन - (i) आलो आँधारि  
(ii) गायिकाओं में बेजोड लता मंगेशकर
13. पत्र
14. निबंध
15. फ़ीचर
16. संचार माध्यम व पत्रकारिता
17. अपठित गद्यांश
18. अपठित पद्यांश

पाठ्यक्रम वार्षिक परीक्षा (2018-19)

कक्षा - XI

संस्कृत

1. पाठ - 1, 2, 3, 4, 7, 8
2. शब्द रूप - यत्, तत्, इदम्, मातृ, कवि, नदी, रमा, बालक, फल, भवत्, आत्मन्
3. धातुरूप - भू, पठ्, गम्, लिख्, पा, स्था, लभ्, सेव्, मुद् (पाँचों लकार)
4. साहित्य - वेद, रामायण, महाभारत, उपनिषद्, पुराण, नाटक, खण्ड काव्य, पद्य काव्य
5. कवि - व्यास, विशाखदत्त, भास, भर्तृहरि, भारवि
6. अपठित गद्यांश, पत्र, कथा, संवाद

## Annual Syllabus

### Class XI

#### Computer Science (C++)

<b>Chapter No</b>	<b>Chapter Name</b>	<b>Weightage</b>
5	General OOP Concept	4
6	Getting Started with C++	6
7	Data Handling	
8	Operators & Expressions in C++	
10	Flow of Control	10
11	Functions	16
12	Structured Data Type: Array	20
13	Structures	10
14	Programming Methodology	4

**Annual Syllabus (2018 – 19)**

**Class – XI**

**Subject: Informatics Practices**

Theory: 70

Practical: 30

<b>Topic:</b>	<b>Weightage (marks)</b>
• <b>Unit 1</b>	<b>10</b>
<b>Ch. 3</b> Information Security and Social Networking	
• <b>Unit 2</b> Introduction To Programming	<b>30</b>
<b>Ch. 4</b> Getting started with Programming using IDE	
<b>Ch. 5</b> Programming Fundamentals	
<b>Ch. 6</b> Control Structures	
<b>Ch. 7</b> Programming Guidelines:	
• <b>Unit 3</b> Relational Database Management System	<b>30</b>
<b>Ch.8</b> Database Management System	
<b>Ch.9</b> Introduction to MySQL	
<b>Ch.10</b> Functions in MySQL	

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## Legal Studies

Class - XI

1. Unit 2 chapter 2 & 3 (Classification and Sources of Law)
2. Unit 3 Chapter 1 & 2
3. Unit 4 Topics 1, 2, 3 & 4 (Excluding Topics 1.3 and 1.4)
4. Unit 5 (Excluding Topic 1)