

**Birla Vidya Mandir, Nainital**  
**Class XI - A**  
**Annual Examination, 2023 (Syllabus)**

**ENGLISH**

**Section A Reading Comprehension**

1. Unseen Passage Comprehension
2. Note Making

**Section B Writing**

1. Advertisement
2. Formal Letter
3. Speech

**Section C Grammar**

1. Tense
2. Preposition
3. Subject Verb Agreement

**Section D Literature**

1. Hornbill
  - a. The Adventure
  - b. Silk Road
  - c. Childhood
  - d. Father to Son
2. Snapshots
  - a. Mother's Day
  - b. Birth
- c. The Tale of Melon City

**MATHEMATICS**

1. Sets
2. Trigonometry
3. Linear Inequalities
4. Binomial theorem
5. Permutations and Combinations
6. Conic sections
7. Introduction to three dimension geometry
8. Limits and Derivatives

**PHYSICS**

UNITS-

1. Physical World and Measurement
2. Kinematics
3. Laws of Motion
4. Work, Energy and Power
5. Motion of System of Particles and Rigid Body
6. Gravitation
7. Properties of Bulk Matter
8. Thermodynamics
9. Behaviour of Perfect Gases and Kinetic Theory of Gases
10. Oscillations and Waves

**CHEMISTRY**

1. Atomic structure
2. Classification of elements & periodicity in properties
3. 1st Law of thermodynamics & chemical energetics
4. Chemical bonding and molecular structure
5. Equilibrium
6. Redox reactions
7. Organic chemistry; some basic principles and techniques.
8. Hydrocarbons

## **BIOLOGY**

1. The living world
2. Biological classification
3. Plant kingdom
4. Animal kingdom
5. Morphology of flowering plants
6. Anatomy of flowering plants
7. Structural organization in Animals
8. Cell-The Unit of life
9. Biomolecules
10. Cell cycle and cell division
11. Photosynthesis in higher plants
12. Respiration in Plants
13. Plant- Growth and Development
14. Breathing and exchange of gases
15. Body fluids and circulation
16. Excretory products and their Elimination
17. Locomotion and Movement
18. Neural Control and coordination
19. Chemical coordination and Integration

## **INFORMATICS PRACTICES**

Complete Syllabus

(All units - Python, MySQL, Computer System, Emerging Trends)

## **PHYSICAL EDUCATION**

### **Unit 1**

Changing Trends and Career in Physical Education

### **Unit 2**

Olympism

### **Unit 3**

Yoga

### **Unit 4**

Physical Education and Sports for CWSN

### **Unit 5**

Physical Fitness, Health and Wellness

### **Unit 6**

Test, Measurement and Evaluation

### **Unit 7**

Fundamentals of Anatomy, Physiology physiology in Sports

### **Unit 8**

Fundamentals of Kinesiology and Biomechanics in Sports

### **Unit 9**

Psychology in Sports

### **Unit 10**

Training and Doping in Sports

## **PSYCHOLOGY**

Unit I What is Psychology?

Unit II Methods of Enquiry in Psychology

Unit IV Human Development

Unit V Sensory, Attentional and Perceptual Processes

Unit VI Learning

Unit VII Human Memory

Unit VIII Thinking

Unit IX Motivation and Emotion

**Birla Vidya Mandir, Nainital**  
**Class XI - C**  
**Annual Examination, 2023 (Syllabus)**

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7. Introduction to three dimension geometry
8. Limits and Derivatives

**ACCOUNTANCY**

1. Basic Accounting terms
2. Theory Based Accountancy
3. Accounting Equation
4. Journal Entries
5. Cash book
6. ledgers
7. Trial Balance
8. Depreciation
9. Final Accounts without Adjustment
10. Final Account with Adjustment
11. Errors and rectification

**BUSINESS STUDIES**

1. Nature & Purpose of Business
2. Forms of Business Organisations
3. Public, Private & Global Enterprises
4. Business Services
5. Emerging Modes of Business
6. Social Responsibilities of Business
7. Sources of Business Finance
8. Small Business
9. Internal Trade
10. International Business

## **ENTREPRENEURSHIP**

1. Entrepreneurship: Concept and Functions (What, Why and How)
2. An Entrepreneur
3. Entrepreneurial Journey
4. Entrepreneurship as Innovation & Problem Solving
5. Concept of Market
6. Business Finance and Arithmetic
7. Resource Mobilization

## **ECONOMICS**

1. Presentation of data
2. Measures of central tendencies
3. Correlation
4. Index Numbers
5. Consumer behaviour
6. Producer behaviour
7. Forms of market
8. Price determination in perfect competition

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## **PAINTING**

Ch.2:- prehistoric art in India

Ch. 3:- Art of Indus valley

Ch. 4:- Art during mauryan shunga kushana and Gupta period.

Ch. 6:- Artistic Aspects of Indian Temple Sculpture.

Ch. 7:- Bronze Sculptures of India.

Ch. 8:- Artistic Aspects of Indo Islamic Architecture.