

Syllabus for Half Yearly Examination 2026-2027

Class XII A

Mathematics

1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Application of Derivatives
7. Application of Calculus in Economics and Commerce
8. Regression

Computer Science

1. Boolean algebra
2. K Graphs
3. Logic gates
4. Half adder
5. Full adder
6. Implementation of algorithms to solve problems
7. Objects
8. Primitive values, Wrapper classes, Types and casting
9. Variables, Expressions
10. Programming in Java
11. Decoder
12. Encoder

13. Multiplexer
14. Statements, Scope
15. Methods
16. Data structures : stacks and queue
17. Linked list : single , double, insertion, deletion, reversal, extracting an element

Geography

1. Locational setting of India
2. Geological evolution and structure
3. Relief
4. Drainage
5. Climate
6. Natural vegetation
7. Population
8. Migration trends
9. Demographic attributes
10. Rural settlement

Maps-

All the maps related to chapters 1-10

Economics

1. Demand and Law of Demand
2. Elasticity of demand
3. Supply - law of supply and elasticity of supply
4. Theory of consumer behaviour

5. Market mechanism
6. Law of Returns
7. Cost and revenue analysis
8. Forms of Market
9. Producer's Equilibrium
10. Determination of equilibrium price and output
11. Money
12. Banking

Psychology

1. Intelligence and Ability
2. Stress and Stress Management.
3. Personality
4. Attitudes
5. Life-span Development

English Language

Composition:

- Descriptive
- Story Writing
- Discursive (one word)
- Reflective
- Argumentative
- Narrative

Directed Writing:

- Newspaper Report
- Blog Writing
- Book Review

- Article Writing

Proposal Writing

Comprehension Exercise and Precis Writing Functional

Grammar:

- Phrasal Verbs
- Transformation of sentences
- Verbs

Literature in English

1. Macbeth Act III and IV
2. Atithi
3. The Cookie Lady
4. There will Come Soft Rains
5. Tithonus
6. Beethoven
7. Telephone Conversation

History

1. World War 2
2. The Last Phase (1939-1947)
3. Establishment and development of Indian Democracy (1947-66)
4. Cold War
5. Development of Indian Democracy (1964-77)
6. Changing Face of Indian Democracy
7. (1977-85)
8. Protest Movements

Biology

1. Sexual reproduction in flowering plants
2. Human Reproduction
3. Reproductive Health
4. Principles of genetic inheritance
5. Molecular Biology
6. Evolution
7. Biotechnology Principles
8. Biotechnology application

Political Science

- * Organs of Government : The Legislature
- * Organs of Government : The Executive
- * Constitution of India : The salient features and the Preamble
- * Forms Of Government : Totalitarian, Authoritarian and Liberal Democratic States
- * Forms of Government : Unitary and Federal States
- * Forms of Government : Parliamentary and Presidential
- * Constitution : Meaning and Kinds
- * Fundamental Rights
- * Directive Principles of State Policy
- * Organs of the Government
 - The Judiciary

Physical Education

1. Training methods
2. Career Aspects in physical education.

3.Tournaments and its types.

4. Games

- Basketball. page99 to 119.Duties and power of umpire. Till.
- Volleyball..Page.136.to. 153.till Re designation of libero.