



Syllabus for Entrance Test 2027-28
Grade - XI

FOR STUDENTS OPTING PCM

ENGLISH

The question paper will comprise three sections: Reading, Writing, and Grammar.

A – Reading:

Comprehension of an unseen passage. The passage may be factual, discursive or literary.

B – Writing:

1. Formal Letter (Editor/Placing an order/Inquiry/Complaint)
2. Article Writing

C – Grammar:

Subject Verb Agreement, Tenses, Modals, Determiners, Reported Speech, Active and Passive Voice, Phrasal verbs

PHYSICS

1. Light - Reflection and Refraction
2. The Human Eye and the Colourful World

CHEMISTRY

1. Chemical Reactions and Equations
2. Acids, Bases and Salts

MATHEMATICS

1. Real Numbers (Except Euclid's Division Lemma)
2. Polynomials (Except Division Algorithm)
3. Pair of Linear Equations in Two Variables (Except Cross-Multiplication Method)
4. Quadratic Equations (Except situational problems based on equations reducible to quadratic equations)
5. Arithmetic Progressions (Except application in solving daily life problems based on sum of n terms)
6. Similarity of Triangles (Except Proof of Area Ratio Theorem and Pythagoras Theorem)
7. Coordinate Geometry (Except Area of Triangle)
8. Introduction to Trigonometry (Except Trigonometric ratios of Complementary Angles)



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PHYSICS

1. Light - Reflection and Refraction
2. The Human Eye and the Colourful World

CHEMISTRY

1. Chemical Reactions and Equations
2. Acids, Bases and Salts

BIOLOGY

1. Life processes
2. Control and Coordination
3. Our Environment



Syllabus for Entrance Test 2027-28
Grade - XI

FOR STUDENTS OPTING COMMERCE WITH MATH COMBINATION

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Grade - XI

FOR STUDENTS OPTING COMMERCE WITHOUT MATH COMBINATION

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GENERAL MATHEMATICS

Percentage, Profit and Loss, Unitary Method, Average, Simple Interest
(fundamental concepts will be tested)



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FOR STUDENTS OPTING COMMERCE WITH APPLIED MATH COMBINATION

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APPLIED MATHEMATICS

1. Average
2. Time, Work and Distance
3. Simple Interest and Compound Interest
4. Polynomials
5. Linear Equation in two variables
6. Quadratic Equation
7. Arithmetic Progression
8. Coordinate Geometry
9. Statistics
10. Probability



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FOR STUDENTS OPTING HUMANITIES WITHOUT MATH COMBINATION

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SOCIAL SCIENCE

History-

1. The Rise of Nationalism in Europe
2. Nationalism in India

Political Science-

1. Power Sharing
2. Federalism
3. Gender, Religion and Caste

Geography-

1. Resources and Development
2. Forest and Wildlife
3. Water Resource
4. Agriculture

Economics-

1. Development
2. Sectors of the Indian Economy



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