DELHI PUBLIC SCHOOL AGRA

(Under the aegis of The Delhi Public School Society, East of Kailash, New Delhi)

Syllabus for Entrance Test
Grade - XI

1- For **PCB combination** the entrance test will be based on English, Physics, Chemistry and Biology.
2- For **Commerce with Math** the entrance test will be based on English and Math
3- For **Commerce without Math** the entrance test will be based on English and Math (Part C)
4- For **Humanities** the entrance test will be based on English and a General Awareness Paper.

The details of the syllabus is as under:

English
(FOR STUDENTS OPTING ANY STREAM)
The question paper will comprise three sections:- Reading, Writing and Grammar
A – Reading:
1. Comprehension from unseen passage. The passage may be factual, discursive or literary.

B – Writing:
2. Formal and Informal Letters
3. Article Writing
4. Composition based on a verbal and / or visual stimulus such as a diagram, picture, graph, map, cartoon, or flow chart

C – Grammar:
5. Tenses, Active and Passive, Reported Speech, Determiners, Prepositions, Clauses

Mathematics
Part A- (FOR STUDENTS OPTING PCM OR COMMERCE WITH MATH COMBINATION)
1. Trigonometry (Except Ratios defined at 0° & 90° and Trigonometric ratios of Complementary Angles)
2. Real Numbers (Except Euclid's Division Lemma)
3. Statistics (Except Step Deviation Method for finding Mean and Cumulative Frequency Graph)
4. Pair of Linear Equations in Two Variables (Except Cross-Multiplication Method)
5. Similarity of Triangles (Except Proof of Area Ratio Theorem and Pythagoras Theorem)
6. Polynomials (Except Division Algorithm)
7. Quadratic Equations (Except situational problems based on equations reducible to quadratic equations)
8. Arithmetic Progressions (Except application in solving daily life problems based on sum of n terms)
9. Coordinate Geometry (Except Area of Triangle)
10. Probability
11. Surface Areas and Volumes (Except Frustum of Cone)
12. Areas related to Circles (Except problems on central angle of 120°)
13. Circles

Part B- (For Students Opting Applied Math)
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. Co-ordinate Geometry
9. Statistics
10. Probability

Part C- (FOR STUDENTS OPTING COMMERCE WITHOUT MATH COMBINATION)
1. Percentage, Profit and Loss, Unitary Method, Average, Simple Interest (fundamental concepts will be tested)

Physics
(FOR STUDENTS OPTING PCM OR PCB COMBINATION)
1. Electricity
2. Magnetic effects of electric current
3. Light: Reflection and Refraction
4. Human Eye and the Colourful world

Chemistry
(FOR STUDENTS OPTING PCM OR PCB COMBINATION)
1. Chemical Reactions and Equations
2. Acids, Bases and Salts
3. Carbon and its Compounds
4. Metals and Non-metals

Biology
(FOR STUDENTS OPTING ONLY PCB COMBINATION)
1. Nutrition in Plants
2. Nutrition in Animals
3. Control and Coordination
4. Reproduction
5. Heredity
6. Our Environment

General Awareness:
(FOR STUDENTS OPTING HUMANITIES ONLY)
1. Current Affairs and General Knowledge
2. Logical Reasoning (MAT)