



## DELHI PUBLIC SCHOOL AGRA

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

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### Syllabus for Entrance Test (Session 2019-20) Grade - XI

- 1- For PCM combination the entrance test will be based on English, Physics, Chemistry and Maths (Part A).
- 2- For PCB combination the entrance test will be based on English, Physics, Chemistry and Biology.
- 3- For Commerce with Maths the entrance test will be based on English and Maths (Part A)
- 4- For Commerce without Maths the entrance test will be based on English and Maths (Part B)
- 5- 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, Nominalization, Sentence Reordering

#### Mathematics

Part A- (FOR STUDENTS OPTING PCM OR COMMERCE WITH MATHS COMBINATION)

1. Trigonometry
2. Real Numbers
3. Statistics
4. Pair of Linear Equations in two variables
5. Similarity of Triangles
6. Polynomials
7. Quadratic Equation
8. A.P.
9. Coordinate Geometry
10. Probability
11. Surface Area and Volume
12. Area related to circle
13. Circle



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### Part B- (FOR STUDENTS OPTING COMMERCE WITHOUT MATHS 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. Force and laws of motion
2. Electricity
3. Magnetic effects of electric current
4. Sources of energy
5. Light: Reflection and Refraction
6. Human Eye and the Colourful world

### Chemistry

#### (FOR STUDENTS OPTING PCM OR PCB COMBINATION)

1. Structure of atoms
2. Chemical reactions and equations
3. Acids, Bases and Salts
4. Carbon and its compounds
5. Metals and non-metals
6. Periodic Classification of Elements

### Biology

#### (FOR STUDENTS OPTING ONLY PCB COMBINATION)

1. Diversity of living world
2. Fundamental Unit of Life
3. Life processes in plants
4. Life processes in humans
5. Control and Co-ordination
6. How do Organisms Reproduce
7. Heredity & Evolution
8. Our Environment
9. Management of Natural Resources

### General Awareness:

#### (FOR STUDENTS OPTING HUMANITIES ONLY)

1. Current Affairs and General Knowledge
2. Logical Reasoning (MAT)