

DELHI PUBLIC SCHOOL, MATHURA ROAD

CLASS- IX

ADMISSION TEST (2021-22)

NOTE:

- Syllabus as per Class VIII NCERT
- Questions will be MCQ based

ENGLISH

Max. Marks -25

1. Unseen Passage
2. Grammar:
 - Tenses
 - Reported Speech
 - Active Passive Voice
 - Error Correction

MATHEMATICS

Max. Marks- 25

1. Linear Equations in one Variable
2. Squares and Square roots
3. Comparing Quantities
4. Algebraic Expressions
5. Mensuration
6. Direct and Inverse Proportion
7. Factorisation

SCIENCE

Max. Marks- 25

I) PHYSICS (8 MARKS)

- Chapter 14 – CHEMICAL EFFECTS OF CURRENT – Do Liquids Conduct Electricity, Chemical Effects of Electric Current ,Electroplating
- Chapter 15: SOME NATURAL PHENOMENA-Lighting, Charging by rubbing, Types of charges and their interaction, Transfer of charge, The story of lightning, Lightning safety, Earthquakes
- Ch16: LIGHT – What makes things visible, Laws of reflection, Regular and diffused reflection, Reflected light can be reflected again, Multiple images, Sunlight-white or coloured, What is inside our eye, Care of the eye, Visually challenged persons can read and write, What is Braille system

II) CHEMISTRY (7 MARKS)

- Ch 6: COMBUSTION AND FLAME - What is combustion, How do we control fire, Types of combustion, Flame, What is a fuel, Fuel efficiency.
- Ch 18: POLLUTION OF AIR AND WATER- Air pollution, How does air gets polluted, Case study-the Taj Mahal, Global warming, What can be done? Water pollution, How does water get polluted, What is potable water and how is water purified, What can be done?

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- COAL & PETROLEUM – Inexhaustible and Exhaustible Natural Resources
 - Fossil Fuels, Coal and its uses, Products of Coal, Coal gas, Coal Tar, Coke
 - Petrochemicals- General idea

III) BIOLOGY (10 MARKS)

- Chapter 8: CELL STRUCTURE AND FUNCTIONS-Discovery of the cell, The cell, Organisms show variety in Cell Number, Shape and Size, Cell Structure & function, Parts of the Cell, Comparison of Plant and Animal cells.
- Chapter9: REPRODUCTION IN ANIMALS- Modes of Reproduction, Sexual Reproduction, Asexual Reproduction.
- Chapter 10: REACHING THE AGE OF ADOLESCENCE - Adolescence and puberty, Changes at puberty, Secondary sexual characters, Role of hormones in initiating Reproductive Function, Reproductive Phase of life in humans, How is the sex of the baby determined? Hormones other than sex hormones, Role of Hormones in Completing the Life History of Insects and Frogs, Reproductive health.

SOCIAL SCIENCE

Max. Marks- 25

HISTORY (7 Marks)

1. Making of the Nationalist Movement
2. Civilising the Native, Educating the Nation
3. India after Independence

POLITICAL SCIENCE (6 Marks)

1. Judiciary
2. Understanding our Criminal Justice System

GEOGRAPHY (12 Marks)

1. Chapter-4: Agriculture
 2. Chapter-5: Industries
 3. Chapter-6: Human Resources
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