

for V studying students (going to VI)

GENERAL SCIENCE

- | | | |
|--|-------------------------------------|---|
| 1. World around us | 5. Plants – growth and structure | 9. The world of transport and communication |
| 2. Living and non-living objects | 6. Animals – our friends | 10. Natural Resources |
| 3. Our body – organs and their functions | 7. How things move – force and work | 11. Natural Calamities |
| 4. Diseases – causes and cure | 8. Simple Machines | 12. Our Universe |

The exam will intend to check the general awareness of the student at Class – V level.

MATHEMATICS

- Fractions
- Decimals
- Percentage
- Profit & Loss
- Angles
- Triangles
- Area & Perimeter

for VI studying students (going to VII)

SCIENCE**PHYSICS**

- Motion and Measurement of Distances
- Light, Shadows and Reflections
- Electricity and Circuits

CHEMISTRY

- Fibre to Fabric
- Sorting materials into groups
- Separation of substances
- Changes around us
- Water
- Air around us
- Garbage in Garbage out

BIOLOGY

- Food: Where does it come from?
- Components of Food
- Getting to know plants
- Body movements

MATHEMATICS

- Number System
- Algebra
- Ratio and Proportion
- Geometry
- Mensuration
- Data Handling

for VII studying students (going to VIII)

SCIENCE**PHYSICS**

- Motion and Time
- Electric Current and Its Effects
- Light

CHEMISTRY

- Fibre to Fabric
- Acids, Bases and Salts
- Physical and Chemical Changes
- Soil
- Water: A Precious Resource

BIOLOGY

- Nutrition in plants
- Nutrition in animals
- Weather, Climate and Adaptations of Animals to Climate
- Respiration in Organisms
- Transportation in Animals and Plants
- Reproduction in Plants

MATHEMATICS

- Number System
- Algebra
- Ratio and Proportion
- Geometry
- Mensuration
- Data Handling

for VIII studying students (going to IX)

SCIENCE			MATHEMATICS
PHYSICS <ol style="list-style-type: none"> Force and Pressure Friction Sound Chemical Effects of Electric Current Light 	CHEMISTRY <ol style="list-style-type: none"> Synthetic Fibres & Plastics Metals and Non metals Coal & Petroleum Combustion & Flame 	BIOLOGY <ol style="list-style-type: none"> Crop Production & Management Microorganism Conservation of Plants & Animals Cell-Structure & Function Reproduction in Animals 	<ol style="list-style-type: none"> Rational Numbers Linear Equation in One Variable Understanding Quadrilaterals Practical Geometry Data Handling Algebraic Identities Mensuration Factorisation

for IX studying students (going to X)

SCIENCE			MATHEMATICS
PHYSICS <ol style="list-style-type: none"> Motion, Uniform, Non uniform (Accelerated) Forces and Laws of motion Gravitation Work and Energy 	CHEMISTRY <ol style="list-style-type: none"> Matter in Our Surrounding Is matter around us is pure? Properties of Matter, Solutions, Chemical Reactions Atoms and Molecules Mole Concept 	BIOLOGY <ol style="list-style-type: none"> Cell: The Fundamental Unit of Life Tissues Diseases: Why do we fall ill Diversity in Living Organism 	<ol style="list-style-type: none"> Algebra Geometry Mensuration Real Numbers Coordinate Geometry Statistics and Probability

for X studying students (going to XI)

PHYSICS	CHEMISTRY	MATHEMATICS
<ol style="list-style-type: none"> Motion Force Gravitation Work and Energy Wave Motion Light, Reflection and Refraction The Human Eye & The Colourful World Electricity and its heating and chemical effects Magnetic effects of electric current 	<ol style="list-style-type: none"> Chemical Reactions & Equations Acid, Base and Salts Periodic Classification Metals and Non-Metals, Alkaline Earth Metals 	<ol style="list-style-type: none"> Number System Algebra <ol style="list-style-type: none"> Polynomials Quadratic Expressions Arithmetic Progression Linear equation in two variables Trigonometry Coordinate Geometry Geometry Mensuration Statistics & Probability

for XI studying students (going to XII)

PHYSICS

1. Physical world and Measurement
2. Vectors
3. Kinematics
4. Laws of motion
5. Work energy and Power
6. Conservation of momentum
7. Rotational Mechanics
8. Gravitation and Fluid
9. Elasticity and SHM
10. Heat and Thermodynamics
11. Waves and sound

CHEMISTRY

1. Some Basic Concept of Chemistry
2. Atomic Structure
3. Classification of Element and Periodic Properties
4. Chemical Bonding & Molecular Structure
5. State of Matter
6. Redox Reaction & Stoichiometry
7. Thermodynamics
8. Chemical Equilibrium
9. Ionic Equilibrium
10. Hydrogen & Its compounds
11. s-Block & p-Block Elements (13 & 14 group)
12. Nomenclature of Organic Compounds & General organic Chemistry
13. Hydrocarbons
14. Environmental Chemistry

MATHEMATICS

1. Basic Calculus
2. Sets, Relations and Functions
3. Quadratic Eq. & Expressions
4. Algorithms
5. Mathematical Induction
6. Linear Inequalities
7. Progression & Series
8. Complex Numbers
9. Trigonometric Ratios and Identities
10. Trigonometric Equations
11. Solution of Triangles
12. Binomial Theorem
13. Straight Line
14. Conic Section
15. Circle
16. Parabola
17. Ellipse
18. Hyperbola
19. Permutations & Combinations
20. Limits & Derivatives
21. Statistics
22. Probability
23. Three Dimensional Geometry (Basic)
24. Mathematical Reasoning

Syllabus also available at www.fiitjee.com/ftre.htm



*Helping
you to
achieve more!*