

MISSION IIT & NEET

FOUNDATION COURSE

FOR CLASS VII-X

FULL SYLLABUS AND PHASE STRUCTURE

MISSION IIT & NEET

BIOLOGY FOUNDATION COURSE

CLASS VII

1. THE CELL
2. THE TISSUE
3. BASIC CONCEPT OF PLANT ORGANISATION
4. ANIMAL SYSTEM
5. PLANT SYSTEM
6. MOVEMENT AND LOCOMOTION IN ANIMALS
7. SKELETAL SYSTEM AND JOINTS
8. DIGESTIVE SYSTEM
9. RESPIRATION IN PLANTS
10. BREATHING
11. CIRCULATORY SYSTEM
12. REPRODUCTION IN PLANT
13. ECONOMIC IMPORTANCE OF BACTERIA AND FUNGI
14. PROTOZOA, VIRUS
15. ECOLOGY AND WILDLIFE

CLASS VIII

1. THE CELL
2. THE TISSUE
3. FLOWER AND POLLINATION
4. REPRODUCTION OF PLANT
5. FRUIT AND SEEDS
6. MICROORGANISMS
7. HEALTH AND HYGIENE
8. ECOSYSTEM
9. EXCRETORY SYSTEM
10. NERVOUS SYSTEM
11. CROP PRODUCTION AND MANAGEMENT
12. DIGESTIVE SYSTEM
13. CELLULAR RESPIRATION IN PLANT AND ANIMAL
14. REPRODUCTION IN ANIMALS
15. IDENTIFICATION OF PLANTS
16. IDENTIFICATION OF ANIMALS
17. POLLUTION

CLASS IX

1. PHOTOSYNTHESIS
2. RESPIRATION
3. NUTRITION
4. VITAMIN
5. CIRCULATION OF PLANTS
6. BLOOD
7. RESPIRATORY SYSTEM
8. DIGESTIVE SYSTEM
9. MOVEMENT AND LOCOMOTION IN ANIMALS
10. MOVEMENT AND LOCOMOTION IN PLANTS
11. SEED AND GERMINATION
12. HEALTH AND HYGINE
13. DISEASE
14. IMPROVEMENT IN FOOD RESOURCES
15. SKIN AND BODY TEMPERATURE REGULATION
16. WASTE GENERATION AND MANAGEMENT

CLASS X

1. CHROMOSOME
2. CELL CYCLE AND CELL DIVISION
3. GENETICS
4. EXCRETORY SYSTEM
5. HORMONE
6. REPRODUCTIVE SYSTEM
7. OUTLINE OF MENSTRUAL CYCLE AND REPRODUCTIVE HEALTH
8. NERVOUS SYSTEM
9. PHOTOSYNTHESIS
10. PLANT PHYSIOLOGY, ABSORBTION BY ROOTS
11. TRANSPIRATION
12. POPULATION
13. ADAPTATION
14. EVOLUTION
15. NATURAL RESOURCES, FOSSILS

MISSION IIT & NEET

BIOLOGY FOUNDATION PHASE STRUCTURE

CLASS VII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2, 3 & 4	CHAPTER 5, 6, 7 & 8	CHAPTER 9, 10, 11 & 12	CHAPTER 13, 14 & 15

CLASS VIII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2, 3 & 4	CHAPTER 5, 6, 7 & 8	CHAPTER 9, 10, 11, 12 & 13	CHAPTER 14, 15, 16 & 17

CLASS IX

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2, 3 & 4	CHAPTER 5, 6, 7 & 8	CHAPTER 9, 10, 11 & 12	CHAPTER 13, 14, 15 & 16

CLASS X

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2, 3 & 4	CHAPTER 5, 6 & 7	CHAPTER 8, 9, 10 & 11	CHAPTER 12, 13, 14 & 15

MISSION IIT & NEET

CHEMISTRY FOUNDATION COURSE

CLASS VII

1. LANGUAGE OF CHEMISTRY
2. ATOMIC THEORY AND STRUCTURE OF ATOM
3. RADIOACTIVITY
4. MATTER AND ITS PHYSICAL STATE
5. FIBRES, FABRICS AND PLASTICS
6. ACIDS, BASES AND SALTS
7. PHYSICAL AND CHEMICAL CHANGE
8. COMBUSTION AND FLAME
9. AIR AND ATMOSPHERE
10. WATER

CLASS VIII

1. LANGUAGE OF CHEMISTRY
2. MATTER AND ITS CHEMICAL STATE
3. SEPERATION TECHNIQUES
4. CARBON AND ITS COMPOUNDS
5. METALS, NON-METALS AND BASIC METALLURGY
6. STUDY OF HYDROGEN
7. OXYGEN
8. WATER
9. FOSSIL FUELS AND ALTERNATIVE SOURCE OF ENERGY
10. ENVIRONMENTAL POLLUTION

CLASS IX

1. ATOMIC THEORY AND LAWS OF CHEMICAL COMBINATION
2. STRUCTURE OF ATOM
3. PERIODIC TABLE
4. GASEOUS STATE
5. OXIDATION, REDUCTION AND ELECTROLYSIS
6. MOLE CONCEPT AND STOICHIOMETRY
7. MEASURES OF CONCENTRATIONS
8. ACIDS, BASES AND SALTS
9. STUDY OF COMPOUNDS

CLASS X

1. STRUCTURE OF ATOMS
2. PERIODIC TABLE AND PERIODIC PROPERTIES
3. CHEMICAL BONDING
4. ELECTROLYSIS
5. METALLURGY
6. CHEMICAL EQUILIBRIUM
7. ORGANIC CHEMISTRY
8. ANALYTICAL CHEMISTRY

MISSION IIT & NEET

CHEMISTRY FOUNDATION PHASE STRUCTURE

CLASS VII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1 & 2	CHAPTER 3, 4 & 5	CHAPTER 6 & 7	CHAPTER 8, 9 & 10

CLASS VIII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1 & 2	CHAPTER 3, 4 & 5	CHAPTER 6 & 7	CHAPTER 8, 9 & 10

CLASS IX

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1 & 2	CHAPTER 3 & 4	CHAPTER 5, 6 & 7	CHAPTER 8 & 9

CLASS X

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1 & 2	CHAPTER 3 & 4	CHAPTER 5 & 6	CHAPTER 7 & 8

MISSION IIT & NEET

MATHEMATICS FOUNDATION COURSE

CLASS VII

1. NUMBER SYSTEM
2. DATA HANDLING
3. ALGEBRIC EXPRESSION, HCF, LCM
4. SIMPLE EQUATIONS & INEQUALITIES
5. LINES AND ANGLES
6. THE TRIANGLE AND ITS PROPERTIES
7. RATIO - PROPORTION
8. AVERAGE , PERCENTAGE
9. PERIMETER AND AREA
10. SYMMETRY AND SOLID OBJECTS
11. TIME AND DISTANCE
12. VOLUME AND SURFACE AREA
13. SQUARE AND SQUARE ROOTS
14. CODING AND DECODING
15. SERIES
16. ANALOGY, DIRECTION TEST, ALPHABET TEST, MIRROR IMAGE

CLASS VIII

1. NUMBER SYSTEM
2. INDICES
3. PROFIT AND LOSS
4. SIMPLE INTEREST AND COMPOUND INTEREST
5. LINEAR EQUATIONS IN TWO VARIABLES
6. ALGEBRIC EXPRESSIONS AND IDENTITIES
7. CIRCLE
8. SET THEORY
9. LOGICAL VENN DIAGRAM
10. STATISTICS
11. QUADRATIC EQUATION
12. TIME AND WORK
13. MENSURATION
14. MATHEMATICAL OPERATION, BLOOD RELATION, THEORY OF COMPUTING

CLASS IX

1. COORDINATE GEOMETRY
2. QUADRATIC EQUATION
3. POLYNOMIAL
4. SEQUENCE AND SERIES
5. SURDS AND EXPONENTS
6. LOGARITHM
7. TRIGONOMETRY
8. HEIGHT AND DISTANCE
9. ARITHMETIC
10. VARIATION
11. MENSURATION
12. STATISTICS
13. PROBABILITY AND MORE

CLASS X

1. THEORY OF EQUATION
2. CONCEPT OF FUNCTION
3. INEQUALITIES
4. TRIGONOMETRY
5. PERMUTATION AND COMBINATION
6. DETERMINANT
7. MATRIX
8. STRAIGHT LINE
9. CIRCLES
10. ARITHMETIC
11. CONSTRUCTIONS
12. AREAS RELATED TO CIRCLES SURFACE AREAS AND VOLUMES
13. STATISTICS
14. PROBABILITY AND MORE

MISSION IIT & NEET

MATHEMATICS FOUNDATION PHASE STRUCTURE

CLASS VII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2 & 4	CHAPTER 5, 6, 7 & 8	CHAPTER 9, 10, 11 & 12	CHAPTER 13, 14, 15 & 16

CLASS VIII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2 & 3	CHAPTER 4, 5 & 6	CHAPTER 7, 8, 9 & 10	CHAPTER 11, 12, 13 & 14

CLASS IX

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2 & 3	CHAPTER 4, 5, 6 & 7	CHAPTER 8, 9 & 10	CHAPTER 11, 12 & 13

CLASS X

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1, 2 & 3	CHAPTER 4, 5, 6 & 7	CHAPTER 8, 9 & 10	CHAPTER 11, 12, 13 & 14

MISSION IIT & NEET

PHYSICS FOUNDATION COURSE

CLASS VII

1. REST AND MOTION
2. WORK, POWER & ENERGY
3. HEAT
4. NEWTON'S LAWS OF MOTION
5. MAGNETISM
6. CURRENT ELECTRICITY
7. CONCEPT OF LIGHT
8. MORE ABOUT ENERGY

CLASS VIII

1. IDEA OF FORCE
2. SOUND
3. STATIC ELECTRICITY
4. MAGNET
5. CURRENT ELECTRICITY
6. HEAT
7. LIGHT
8. SOME NATURAL PHENOMENA
9. SOLAR SYSTEM
10. AIR AND WATER POLLUTION

CLASS IX

1. UNIT AND DIMENSION
2. VECTOR
3. REST AND MOTION
4. CHANGE OF STATE
5. WORK POWER ENERGY
6. GRAVITATION
7. HYDROSTATICS
8. LIGHT
9. WAVE AND SOUND

CLASS X

1. LIGHT
2. CURRENT ELECTRICITY
3. MAGNETIC EFFECT OF CURRENT
4. HEAT AND PROPERTIES OF GAS
5. NUCLEAR PHYSICS & SEMICONDUCTORS

MISSION IIT & NEET

PHYSICS FOUNDATION PHASE STRUCTURE

CLASS VII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1 & 2	CHAPTER 3 & 4	CHAPTER 5 & 6	CHAPTER 7 & 8

CLASS VIII

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1 & 2	CHAPTER 3, 4 & 5	CHAPTER 6 & 7	CHAPTER 8, 9 & 10

CLASS IX

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1 & 2	CHAPTER 3, 4 & 5	CHAPTER 6 & 7	CHAPTER 8 & 9

CLASS X

PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
CHAPTER 1	CHAPTER 2 & 3	CHAPTER 4	CHAPTER 5 & 6

MISSION IIT & NEET

TOTAL FOUNDATION PHASE STRUCTURE

CLASS VII

		PHYSICS	CHEMISTRY	MATHEMATICS	BIOLOGY
	PHASE 1	1, 2	1,2	1,2,3,4	1,2,3,4
	PHASE 2	3,4	3,4,5	5,6,7,8	5,6,7,8
	PHASE 3	5,6	6,7	9,10,11,12	9,10,11,12
	PHASE 4	7,8	8, 9, 10	13,14,15,16	13,14,15

CLASS VIII

		PHYSICS	CHEMISTRY	MATHEMATICS	BIOLOGY
	PHASE 1	1,2	1,2	1,2,3	1,2,3,4
	PHASE 2	3, 4, 5	3,4,5	4,5,6	5,6,7,8
	PHASE 3	6, 7	6,7	7,8,9,10	9,10,11,12,13
	PHASE 4	8, 9, 10	8,9,10	11,12,13,14	14,15,16,17

CLASS IX

		PHYSICS	CHEMISTRY	MATHEMATICS	BIOLOGY
	PHASE 1	1, 2	1,2	1,2,3	1,2,3,4
	PHASE 2	3,4,5	3,4	4,5,6,7	5,6,7,8
	PHASE 3	6,7	5,6,7	8,9,10	9,10,11,12
	PHASE 4	8,9	8,9	11,12,13	13,14,15,16

CLASS X

		PHYSICS	CHEMISTRY	MATHEMATICS	BIOLOGY
	PHASE 1	1	1,2	1,2, 3	1,2,3,4
	PHASE 2	2,3	3,4	4,5,6,7	5,6,7
	PHASE 3	4	5,6	8,9,10	8,9,10,11
	PHASE 4	5,6	7,8	11,12,13,14	12,13,14,15