
Contents

● Solved Model Paper

Section-I

English 1-103

1. Comprehension	3-7
2. Composition	8-20
3. Grammar	21-77
I. Spelling	21
II. Antonyms and Synonyms	22
III. One Word Substitution	26
IV. Correct Usage of Articles	28
V. Correct Usage of Prepositions	33
VI. Correct Usage of Adjective Degree of Composition	38
VII. Correct Usage of Adverbs	42
VIII. Correct Usage of Conjunctions	47
IX. Correct Usage of Noun, Pronoun and numbers	51
X. Correct Usage of Adjectives	59
XI. Words, Which are Commonly getting Confused	61
XII. Word Order	72
4. Idioms, Phrases and Proverbs	78-85
5. Direct and Indirect Speech	86-94
6. Active and Passive Voice	95-103

Section-II

Physics 1-112

Unit 1 : Physical World and Measurement	3-8
Unit 2 : Kinematics	9-15
Unit 3 : Mechanics (Laws of Motion, Work, Power and Energy and Gravitation)	16-22
Unit 4 : General Properties of Matter in Bulk State	23-29
Unit 5 : Thermodynamics	30-35
Unit 6 : Oscillation and Waves	36-42
Unit 7 : Electrostatics	43-53
Unit 8 : Current Electricity	54-63
Unit 9 : Magnetic Effect of Current and Magnetism	64-73
Unit 10 : Electromagnetic Induction and Alternating Current	74-82
Unit 11 : Electromagnetic Waves	83-87
Unit 12 : Optics	88-95

Unit 13 : Dual Nature of Matter	96-98
Unit 14 : Atoms and Nuclei	99-104
Unit 15 : Electronic Devices	105-110
Unit 16 : Communication Systems	111-112

Section-III

Mathematics 3-135

● Algebra	3-36
1. Sets	3
2. Relation	6
3. Complex Numbers	10
4. Arithmetic Progression	15
5. Geometric Progression	20
6. Permutations and Combinations	25
7. Quadratic Equations	28
8. Binomial Theorem	32
● Matrices and Determinants	37-46
● Trigonometry	47-62
1. Identities and Trigonometric Ratio's	47
2. Simple Identities	53
3. Properties of Triangles	56
4. Inverse Trigonometrical Functions	60
● Coordinate Geometry	63-80
1. Straight lines	63
2. The Circle	67
3. The Parabola	70
4. The Ellipse	73
5. The Hyperbola	77
● Differential Calculus	81-98
1. Limit and Continuity	81
2. Differentiation	91
● Integral Calculus and Differential Equations	99-121
1. Indefinite Integrals	99
2. Definite Integrals	107
3. Differential Equations	113
● Statistics and Probability	122-135
1. Frequency Distribution, mean, median, mode and standard deviation	122
2. Probability	130