
CONTENTS

● Solved Paper

1. Network & Systems (Electric Circuit)	1–136
● Objective Problems on Switching.....	28
● Answers with Explanatory Notes.....	30
● Objective Problems : Level 1.....	34
● Answers with Explanatory Notes.....	62
● Objective Problems : Level 2.....	105
● Answers with Explanatory Notes.....	116
2. Electromagnetics (Fields)	1–60
● Objective Problems : Level 1.....	23
● Answers with Explanatory Notes.....	26
● Objective Problems : Level 2.....	27
● Answers with Explanatory Notes.....	42
3. Signals & Systems	1–96
● Objective Problems.....	38
● Answers with Explanatory Notes.....	61
4. Electrical Machines	1–68
● Objective Problems.....	40
● Answers with Explanatory Notes.....	59
5. Power System	1–43
● Objective Problems.....	22
● Answers with Explanatory Notes.....	35
6. Control Systems	1–76
● Objective Problems.....	24
● Answers with Explanatory Notes.....	47
7. Measuring Instruments (Electrical & Measuring Instruments)	1–44
● Objective Problems.....	23
● Answers with Explanatory Notes.....	36
8. Electronics Devices	1–96
● Objective Problems.....	28
● Answers with Explanatory Notes.....	51
● Miscellaneous Problems.....	74
● Answers with Explanatory Notes.....	88
9. Analog Circuits (Analog Electronics)	1–88
● Objective Problems.....	39
● Answers with Explanatory Notes.....	64
10. Digital Circuits (Digital Electronics)	1–55
● Objective Problems : Level 1.....	28
● Answers.....	33
● Objective Problems : Level 2	
(i) Problems of Boolean Theorems and Logic Gates.....	34
● Answers with Explanatory Notes.....	37
(ii) Problems on Combinational Logic Circuits.....	41

● Answers with Explanatory Notes.....	43
(iii) Problems on Sequential Circuits : Flip-Flop.....	45
● Answers with Explanatory Notes.....	48
(iv) Problems on Counter.....	49
● Answers with Explanatory Notes.....	52
(v) Problems on Register.....	52
● Answers	53
(vi) Problems on Memory Organisation.....	53
● Answers with Explanatory Notes.....	55
11. Microprocessor	1-64
● Objective Problems : Level 1.....	16
● Answers with Explanatory Notes.....	23
● Short Answer Type Questions.....	26
● Miscellaneous Problems on Digital Circuits & Microprocessor.....	27
● Answers with Explanatory Notes.....	47
12. Power Electronics	1-51
● Objective Problems : Level 1.....	35
● Answers.....	40
● Objective Problems : Level 2.....	41
● Answers.....	51
13. Engineering Mathematics	1-80
● Linear Algebra.....	3
● Objective Problems on Linear Algebra.....	5
● Answers with Hints.....	11
● Differential Calculus.....	24
● Objective Problems on Differential Calculus.....	26
● Answers with Hints.....	29
● Differential Equation.....	39
● Objective Problems on Differential Equations.....	41
● Answers with Hints.....	43
● Complex Variable.....	51
● Objective Problems on Complex Variable.....	52
● Answers with Hints.....	55
● Probability and Statistics.....	63
● Objective Problems on Probability and Statistics.....	66
● Answers with Hints.....	68
● Numerical Method.....	74
● Objective Problems on Numerical Method.....	77
● Answers with Hints.....	79
14. General Aptitude	1-92
15. Reasoning	1-56
16. Dictionary of Electronics	1-16