

---

---

# CONTENTS

---

---

● Previous Years' Solved Papers

## SECTION-I

<b>1. Electrical Engineering Materials</b>	<b>1–39</b>
● Objective Problems.....	15
● Answers with Explanatory Notes.....	33
<b>2. Electronic Devices</b>	<b>1–79</b>
● Objective Problems.....	33
● Answers with Explanatory Notes.....	43
● Miscellaneous Problems.....	52
● Answers with Explanatory Notes.....	68
<b>3. Network &amp; Systems</b>	<b>1–88</b>
● Objective Problems.....	23
● Answers with Explanatory Notes.....	49
<b>4. Electromagnetics</b>	<b>1–56</b>
● Objective Problems : Level 1.....	24
● Answers with Explanatory Notes.....	27
● Objective Problems : Level 2.....	28
● Answers with Explanatory Notes.....	44
<b>5. Measuring Instruments</b>	<b>1–44</b>
● Objective Problems.....	23
● Answers with Explanatory Notes.....	36
<b>6. Power Electronics</b>	<b>1–51</b>
● Objective Problems : Level 1.....	35
● Answers.....	40
● Objective Problems : Level 2.....	41
● Answers.....	51

## SECTION-II

<b>1. Analog Circuits</b>	<b>1–88</b>
● Objective Problems.....	39
● Answers with Explanatory Notes.....	64
<b>2. Digital Circuits</b>	<b>1–51</b>
● Objective Problems : Level 1.....	30
● Answers.....	34
● Objective Problems : Level 2	
(i) Problems of Boolean Theorems and Logic Gates.....	35

● Answers with Explanatory Notes.....	37
(ii) Problems on Combinational Logic Circuits.....	41
● Answers with Explanatory Notes.....	43
(iii) Problems on Sequential Circuits : Flip-Flop.....	44
● Answers with Explanatory Notes.....	47
(iv) Problems on Counter.....	48
● Answers with Explanatory Notes.....	50
(v) Problems on Register.....	50
● Answers.....	51
(vi) Problems on Memory Organisation.....	51
● Answers with Explanatory Notes.....	51
<b>3. Control Systems</b>	<b>1-79</b>
● Objective Problems.....	26
● Answers with Explanatory Notes.....	50
<b>4. Communications</b>	<b>1-64</b>
● Objective Problems : Level 1.....	29
● Answers with Explanatory Notes.....	32
● Objective Problems : Level 2.....	34
● Answers with Explanatory Notes.....	39
● Objective Problems : Level 3.....	41
● Answers with Explanatory Notes.....	52
<b>5. Microwave Engineering</b>	<b>1-31</b>
● Objective Problems : Level 1.....	19
● Answers.....	26
● Objective Problems : Level 2.....	27
● Answers with Explanatory Notes.....	31
<b>6. Satellite Communication</b>	<b>1-24</b>
● Objective Problems.....	13
● Answers with Explanatory Notes.....	22
<b>7. Optical Fibre Communication</b>	<b>1-16</b>
● Objective Problems.....	5
● Answers with Explanatory Notes.....	12
<b>8. Computer Engineering</b>	<b>1-16</b>
<b>9. Microprocessor</b>	<b>1-56</b>
● Objective Problems : Level 1.....	15
● Answers with Explanatory Notes.....	22
● Short Answer Type Questions.....	24
● Miscellaneous Problems on Digital Circuits & Microprocessor.....	25
● Answers with Explanatory Notes.....	41
<b>10. Dictionary of Electronics</b>	<b>1-16</b>
<b>SECTION-III</b>	
<b>General Ability Test</b>	<b>1-31</b>

---