



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, ISO 9001:2000 Certified Institution &
Accredited by NAAC with 'A' Grade)

Madagadipet, Puducherry - 605 107



Department of Electrical and Electronics Engineering

“BEEE 2 MARKS”

Unit 1

1. What is current and give its unit?
2. Define potential difference or voltage?
3. State ohm's Law and mention its limitations?
4. State kirchoff's law?
5. What is expression for series and parallel resistance and mention its difference?
6. What is electrical power and its unit?
7. What is resistance and its unit?
8. Two resistor 4ohm and 6ohm are connected in parallel. If total current is 12A, find the current through each resistor.
9. State current dividend rule and voltage dividend rule?

Unit 2

1. What is peak factor?
2. What is form factor?
3. Define RMS value?
4. Define average value?
5. Write the expression for real power, reactive power, apparent power, power factor, phase angle and impedance?
6. What is power Factor?
7. What are the advantages of three phase system?
8. Write the demerits of three wattmeter method? /Advantages of 2 wattmeter method
9. What is the relation between line voltage and phase voltage in star and delta connection system?
10. What is the relation between line Current and phase Current in star and delta connection system?
11. Define frequency

Unit 3

1. State fleming's rule
2. State faraday's law.
3. What is an emf equation of Generator and Transformer?
4. What is transformer and its types?
5. What is fuses and circuit breaker?
6. What is condenser in power plant?

7. What is a DC generator and motor?
8. What is the purpose of commutator?
9. What is called back emf

Unit 4

1. What is rectifier and give its types?
2. What is filter and give its types?
3. Draw the circuit diagram for half wave rectifier?
4. What is a transistor? List its uses and its types
5. What is oscillator and its types?
6. Draw the VI characteristics of diode.
7. Compare JFET and MOSFET.
8. Write the three terminals of BJT and FET.
9. Define amplifier?
10. Is the common collector configuration used for amplification?

Unit 5

1. State De Morgan's theorem.
2. What is flipflop and mention its types?
3. Draw the logic diagram of any of the logic gate with its truth table.
4. What is shift register and its applications.
5. Define counter. Latches
6. Design OR gate using universal gate NAND
7. State associate law of Boolean algebra.
8. Define adder and differentiate half adder and full adder.
9. Draw the truth table and diagram for JK flipflop.
10. Define Sequential Logic.
11. What is the drawback in RS flip flow?

Unit 6

1. Define Communication and its basic types.
2. What are the advantages of optical fibre communication?
3. What is Cellular communication?
4. What is mean by WAN
5. Write a short note on ISDN.
6. Define the network model? And its types
7. Write a note on Microwave communication.
8. Write a short note on circuit switching.
9. State the disadvantage of satellite communication system.
10. Sketch the block diagram of basic communication system.