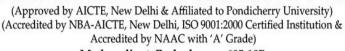
SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE





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 40hm and 60hm 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. Lakhs
- 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.