**Question Bank (I-Scheme)**

**Name of course: Electrical Materials & Wiring Practice Unit Test: II**

**Subject code: 22328 (EMW) Semester: III Program: EE**

**Chapter 4: Electrical Wiring**

1. **Marks**
2. State any four types of wires used in electrical wiring.
3. Classify Cables as per the operating voltage for which they are designed.
4. Name any four types of wiring systems.
5. Draw a wiring diagram for 1 lamp controlled by 1 switch.
6. Name any two types of wire joints.
7. Name any two methods of laying the underground cable.
8. State types of conduit wiring.
9. **Marks**
10. Draw and explain any one method of laying underground cable.
11. Draw and explain wiring diagram for control of 1 lamp using 2 switches.
12. Draw and explain wiring diagram for 3 compartments godown.
13. Draw a wiring diagram for control of two lamps, one wall socket and two fans along with location of supply and fuse.
14. Draw and explain Surface conduit wiring.
15. Compare Cleat wiring with lead sheathed wiring.
16. Draw and explain wooden casing-capping wiring.

**Chapter 5: Earthing Systems**

**2 Marks**

1. What is earthing?
2. What is necessity of earthing in electrical installations?
3. State types of earthing.
4. What is use of a Megger?
5. Write any one Indian Electricity Rule relevant to earthing.

**4 Marks**

1. Explain plate earthing with a neat diagram
2. Explain pipe earthing with a neat diagram.
3. What are various factors affecting earth resistance.
4. Explain measurement of earth resistance by fall of potential method.
5. Explain measurement of earth resistance by using Megger earth Tester.