

## SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the need of Maintenance and describe its types. (CO1)
- Q.24 Explain the installation of Underground cable in detail. (CO3)
- Q.25 Discuss in brief the testing of Transformers. (CO4)

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## 6th Sem / Electrical

**Subject : Installation and Maintenance of Electrical Equipment**

Time : 3 Hrs.

M.M. : 60

## SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which IER is applicable for frequency of supply to consumer (CO1)
- a) Rule No.53                      b) Rule No 55
- c) Rule No 50                      d) None of these
- Q.2 Which is a method which can minimize the unwanted events or accidents (CO1)
- a) Safety                              b) Accidents
- c) Hazards                            d) Responsibility
- Q.3 The function of the cross-arm is to support (CO2)
- a) Conductor on insulators
- b) Earth wire
- c) Transformers
- d) All of these

- Q.4 The maintenance performed on regular basis to reduce the likelihood of failure is (CO3)
- Routine maintenance
  - Breakdown maintenance
  - Preventive maintenance
  - Predictive maintenance
- Q.5 Grouting is done with the help of (CO4)
- Tiles
  - bricks
  - stones
  - concrete mixture
- Q.6 During drying out the motor, the temperature does not exceed (CO4)
- more than 100°C
  - more than 80°C
  - upto 70°C
  - None of the above

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 BDV stands for (CO1)
- Q.8 \_\_\_\_\_ is a cable filling compound. (CO1)
- Q.9 Measurement of high insulation resistance is done by (CO2)

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- Q.10 Function of 'filler gauge' tool is (CO3)
- Q.11 Routine maintenance is also called as \_\_\_\_\_ (CO4)
- Q.12 To find "magnetizing current" we can use (CO3)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What are the safety precautions while working on electrical equipments? (CO1)
- Q.14 Enlist the various workmen's Safety devices. (CO1)
- Q.15 Describe the IER rules Number 77 and 78. (CO2)
- Q.16 Write the maintenance schedule for Relays. (CO2)
- Q.17 Explain the importance of maintenance of electrical equipments. (CO2)
- Q.18 Explain the installation of Distribution Lines. (CO3)
- Q.19 Write the maintenance schedule of transformers above 1000 KVA. (CO3)
- Q.20 Discuss the overhauling of motor. (CO3)
- Q.21 Explain the testing of Distribution line before commissioning. (CO4)
- Q.22 What is testing and commissioning of Electrical Equipments. (CO4)

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