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**6 th 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 Meggar is used to measure (CO1)

- a) Insulation resistance b) Earth resistance
- c) Power d) Frequency

Q.2 Continuity of electrical circuit is checked by (CO1)

- a) Voltmeter b) Ammeter
- c) Ohmmeter d) Meggar

Q.3 As per Indian electricity standard, what is the allowable voltage variation in low and medium voltages supply (CO2)

- a) 2% b) 4%
- c) 6% d) 10%

Q.4 Buchholz relay is used in (CO4)

- a) Transformer b) Line protection
- c) generator d) Motor protection

Q.5 A short length of conductor connected on either side of pole is called (CO3)

- a) Jumpers b) bracing
- c) Cradle guard d) All of these

Q.6 In which of the following test to be conducted on induction motor, reduced voltage is applied. (CO4)

- a) Blocked rotor test b) No load test
- c) open circuit test d) None of these

**SECTION-B**

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

Q.7 SWG = mm. (CO1)

Q.8 Rule 31 of IER provide for at consumer's premises. (CO1)

Q.9 Earth tester is known as \_\_\_\_\_ (CO2)

Q.10 In voltage ratio test on transformer test reading of voltmeter is (CO3)

Q.11 Measurement of slip conducted under \_\_\_\_\_ (CO3)

Q.12 Preventive maintenance is also called as \_\_\_\_\_ (CO4)

(1)

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(2)

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## **SECTION-C**

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

Q.13 What are the various tools used in installation, maintenance and repair work ? (CO1)

Q.14 Explain the maintenance of Cable . (CO3)

Q.15 Explain electrical accident & its causes ? (CO1)

Q.16 Discuss the purpose of Installation of electrical machines . (CO2)

Q.17 Explain the Maintenance of Electric motor (CO4)

Q.18 Explain the installation process of a Transformer (CO4)

Q.19 Discuss the IER rules Number 79 and 80. (CO2)

Q.20 Explain the testing of transmission line before commissioning (CO4)

Q.21 Discuss the maintenance schedule of CT and PT. (CO3)

Q.22 Explain the tests performed on Insulators. (CO4)

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## **SECTION-D**

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

Q.23 Describe the Maintenance of Transmission & Distribution Lines in details . (CO3)

Q.24 Explain in detail the Meggar along with its working and diagram (CO2)

Q.25 Discuss the various tests performed on Electric Motors in details. (CO4)

(3040)

(4)

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