

B.Tech. (Electrical Engineering) Seventh Semester (C.B.C.S.)
Open Elective-II : Testing & Maintenance of Electrical Equipment

P. Pages : 1

Time : Three Hours



PSM/KW/23/2875

Max. Marks : 70

-
- Notes : 1. Each question carry marks as indicated.
2. Use of mobile and programmable devices are prohibited.

1. a) Why there is need of maintenance of electrical equipment. 7
b) What are the factors influencing severity of shock & rescuing person. 7

OR

2. a) What are the precautions against electric fires. 7
b) List out & Explain in short eight different tools used in electrical maintenance. 7
3. a) Explain the working of Buchhloz's Relay. 7
b) Explain the routine & special test on Transformer in short. 7

OR

4. a) Compare the temperature rise test & Switching impulse Test of Transformer. 7
b) Explain the measurement of winding resistance & Voltage Ratio. 7
5. a) Explain the routine & special test on Induction Motor. 7
b) Compare vibration test & temperature test on 3phase Induction Motor any three points. 7

OR

6. a) Differentiate Routine & special test on 3Phase Induction Motor. 7
b) Explain Importance of body earthing of 3Phase Induction Motor. 7
7. a) Explain Magnetization Test or open circuit test on DC. 7
b) Explain temperature rise test on DC Motor. 7

OR

8. a) Explain the type of test, routine test & special test on DC motor in short. 7
b) Determine the efficiency curve of DC Motor. 7
9. a) Give the classification of Insulating Material? 7
b) What are factors affecting for Insulating Material? 7

OR

10. a) What is testing of physical & electrical properties of transformer oil. 7
b) Explain the testing & measurement of insulation. 7
