**ASSIGNMENT**

**SUB Code 1620602**

Q1. Explain electric shock and its treatment.

Q2.Write short notes on insulating oil.

Q3. Write short notes on cable maintenance.

Q4. Describe the necessary conditions for parallel operation of transformers.

Q5. Explain the working of a circuit breaker.

Q6. Explain the factors affecting the insulating resistance material.

Q7. Write short notes on Battery.

Q8. What do you mean by commissioning ? explain the steps taken to commission an alternator.

Q9. Describe a method for determination of insulation resistance of transformer winding.

Q10. Explain the parallel operation of alternators with the help of neat circuit diagram.

Q11. Classify the insulating materials and give the properties of ideal insulating material. Explain the factors which effect the life of insulating materials.

Q12. Write short notes on Cooling of transformer .

Q13. Explain vibration in machine. How can it be prevented ?

Q14. Describe the construction, working and uses of bucholz relay with neat diagram.

Q15. What are the causes of electric fires? Explain it.

Q1. Explain the term of safety in electrical installation and maintenance.

Q17.explain the necessity of foundation for installation.

Q18. Why the resistance of earthing wire is kept low ? Explain it

Q19. Explain the maintenance process of electric fan.

Q20. Explain the routine maintenance of electric machine.

Q21. What is preventive maintenance ? Explain the preventive maintenance of an alternator.

Q22. Describe belt drive and chain drive with their merits and demerits.

Q23. Why is transformer oil used in transformer ? Explain it.

Q24. Describe breakdown test performed in transformer oil with neat sketch.

Q25. What is earthing ? explain the different methods of earthing in detail.

Q2. Define the term safety, hazard , and accident.

Q27. Write the name of tools used in safety and also explain the uses of it.

Q28. Write the concept of routine ,preventive & breakdown maintenance

Q29. Write down the advantages and disadvantages of preventive maintenance.

Q30. Write the factors involved in designing the machine foundation.

Q31. Write down the various devices & tools used in loading & unloading of material .

Q32.write the procedure for rescuing the person who has received an electric shock.

Q33. What is fire extinguisher ? explain the each part of fire extinguisher.

Q34. Write short notes on productive maintenance.

Q3. Write shot notes on routine test and , listing type test.

Q3. Classification of insulation material and factors affecting life of insulating materials.

Q37. Write down the routine and preventive test of distribution transformer.

Q38. Explain the procedure of leveling & alignment of two shaft of directly & indirectly coupled drives.

Q39. What are PPE in terms of safety .

Q40. Write down the basic factors of electric fire ?

**END**