

No. of Printed Pages : 4

180943

Roll No.

4th Sem / Elect.
Subject:- Installation and Maintenance Of Electrical Equipment

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Pin type insulators are used (CO3)

- a) upto 11 KV
- b) upto 33 kv
- c) above 33 kv
- d) all of above

Q.2 The topmost conductor in HV Transmission lines (CO2)

- a) R - conductor
- b) Y - conductor
- c) B- conductor
- d) Earth conductor

Q.3 Guy wire is employed for (CO6)

- a) Protection against gauges
- b) Providing emergency earth route
- c) Supporting the pole
- d) Both (b) and (c)

Q.4 Main causes of failure of an electrical equipment due to poor maintenance. (CO9)

- a) Poor insulation
- b) Wear and tear
- c) A and b
- d) None of these

Q.5 In annually inspection which is mainly inspected in over head line. (CO3)

- a) Insulator
- b) Tower
- c) Earth wire
- d) All of these

Q.6 Patrolling of power line is done (CO8)

- a) to detect the fault
- b) to reduce the supply of power
- c) to reduce the losses
- d) all of above

Q.7 Fuse wire are made of which material (CO6)

- a) Tungsten
- b) Nichrome
- c) Alloy of tin lead
- d) any one of above

Q.8 For handling of underground cables equipment used (CO4)

- a) jacks
- b) rollers
- c) winches
- d) all of the above

Q.9 Storage of transformer should be (CO6)

- a) in open space
- b) in clean and dry place
- c) in one side of the factory
- d) all these above

Q.10 Control and relay panels are always located (CO6)

- a) in open space
- b) in control room
- c) in the switch yard
- d) none of all these

(1)

180943

(2)

180943

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is a trench? (CO2)
Q.12 Name two types of substations (CO6)
Q.13 Explain breakdown maintenance? (CO5)
Q.14 What is a dead end? (CO4)
Q.15 What is drying out? (CO4)
Q.16 Explain IER (CO1)
Q.17 Define jumper (CO6)
Q.18 Define tee-off-point. (CO4)
Q.19 Name two cable handling equipment. (CO2)
Q.20 Write one purpose of using lighting arrester. (CO9)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Describe the cause and prevention of accident. (CO1)
Q.22 Name the 15 tools, accessories and instruments required for maintenance repair work. (CO9)
Q.23 Explain about clearance, while line crossing over
 i) Railway track ii) streets (CO8)
Q.24 Explain with the help of suitable sketches arrangement of strain insulator. (CO2)
Q.25 Draw and explain different types of guarding. (CO2)
Q.26 Explain the different methods of erection of support. (CO1)

- Q.27 Explain the different methods of laying an underground cable (CO5)
Q.28 Explain the procedure of inspection, storage and handling of power transformer. (CO6)
Q.29 Explain the cable jointing procedure. (CO3)
Q.30 What is a guy wire? Explain the different types of guy wires. (CO2)
Q.31 Write the maintenance schedule of motor. (CO6)
Q.32 What is the meaning of HRC fuse? How does it operate? (CO6)
Q.33 What is the need of load shedding? (CO7)
Q.34 Why substations are installed near the load centers? (CO6)
Q.35 Why the neutral of the bank capacitor is grounded? (CO3)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain various components of substations. (CO6)
Q.37 Explain the Maintenance schedule of
 i) power transformer
 ii) bus bar (CO2)
Q.38 Explain the different types of erection methods used for poles and towers with the help of Suitable. diagrams. (CO9)