

- Q.26 Explain the cause of dim and flickering of lights.
 Q.27 Explain the PTW with its proforma.
 Q.28 Explain the handling of transformer.
 Q.29 Explain the cable handling equipments in brief.
 Q.30 Explain instrument transformers.
 Q.31 Differentiate between switch, circuit breaker and isolator.
 Q.32 Explain the checking and maintenance of bus bars.
 Q.33 Explain the IE Rule for providing service connections for domestic case.
 Q.34 Explain the overhauling motors.
 Q.35 Explain the derrick pole method of pole erection.

SECTION-D

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

- Q.36 Explain the methods used for applying of underground cables.
 Q.37 Explain the objectives and types of maintenance in detail.
 Q.38 Explain the installation of power/distribution transformer with the detailed list accessories.

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6th 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 Earth wire is made of
 a) Silver b) Brass
 c) Galvanized steel d) None of these
 Q.2 Pin type insulators are used for
 a) up to 66KV b) 132 KV
 c) 220 KV d) None of these
 Q.3 Fuse wire is made of
 a) Nichrome b) Tungsten
 c) Tin Lead alloy d) Brass
 Q.4 I.E. Rule is applicable for Danger Notices
 a) Rule No. 53 b) Rule No.35
 c) Rule No. 90 d) Rule No. 87
 Q.5 The top most conductor in EHV overhead transmission lines
 a) Earth Conductor b) Y-Conductor
 c) B-Conductor d) R-Conductor

Q.6 Electrical shock can be avoided

- a) By avoiding working on the live equipments
- b) Use proper insulating pads.
- c) Proper follow the all the safety rules
- d) All of these

Q.7 Patrolling of power line is done

- a) To detect the fault
- b) To reduce the losses
- c) To reduce the chances of faults
- d) All of the above

Q.8 Guy wire is used for

- a) Supporting the poles.
- b) as a earth wire.
- c) as a phase wire.
- d) as a neutral wire.

Q.9 Test come under Routing test

- a) Insulation Value test
- b) Resistance measurement
- c) drop test
- d) All of these

Q.10 Bus bars are usually made of

- a) Iron
- b) Steel
- c) Si Steel
- d) None of these

SECTION-B

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

Q.11 ACSR stands for _____

Q.12 Define Tee-Off point.

Q.13 Define Authorized person.

Q.14 Define Maintenance.

Q.15 Define Trench.

Q.16 Define Bus bar.

Q.17 Define Dead end.

Q.18 Write the significance of Danger notice.

Q.19 Name any two types of substations.

Q.20 Define Drying out.

SECTION-C

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

Q.21 Explain the any five steps taken during installation of any electrical installation.

Q.22 Give the Qualities of a good Lightening arrestor.

Q.23 Explain Dehydration process of transformer oil.

Q.24 Enlist any five tools used in installation and maintenance of Electrical equipments.

Q.25 Explain the artificial respiration method.