

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain protection of transmission lines against over voltage.
- Q.4 Write short notes on :-
- (a) Generator Protection
 - (b) Instantaneous over current relays.
- Q.5 Explain in detail the construction and working of Buchholz relay.
- Q.6 Explain different types of electric faults and their causes.
- Q.7 Explain how Merz price system of protection can be applied for protection of 3f alternative.

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Roll No.

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6th Sem. / Ps Engg.

Subject : Electrical Protection

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Name the types of preventive maintenance?
- b) A lightning arrester is connected between line and _____.
- c) Define over loading of equipments.
- d) Define current rating of electrical equipments.
- e) Define low voltage fuses.
- f) An external cause of over voltages is _____.
- g) What is transformer Protection?
- h) Expand HRC.

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- i) Differential relay responds to the fault_____.
- j) Define ground faults.
- k) Write the principle behind circuit breaker.
- l) Name the two types of potential transformer.
- m) Define high voltage fuses.
- n) What is the disadvantage of high temperatures in cables.
- o) Define transmission line.
- p) Give the importance of lightening arrester.
- q) Name the relay used for transformer protection.
- r) Name the types of faults in relays.

SECTION-B

Note: Short answer type questions. Attempt any ten parts
10x4=40

- Q.2
- i) What do you understand by fuse voting?
 - ii) What is earthing? How it protects form shock?

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- iii) Explain briefly the basic concept of earth fault relay.
- iv) What is PLCC.
- v) Write the criterior of maintence of CT & PT.
- vi) Briefly discuss the two protective equipments used in electrical system.
- vii) Write about protection of ring main feeders.
- viii) Write about distance relay working.
- ix) Explain in brief about wave trap.
- x) Write a short note on Electromagnetic relays.
- xi) Classify the various types of over current relay.
- xii) Write applications of static relay.
- xiii) Discuss the relays for transformer protection?
- xiv) Write a short note on Electrical transmission system.
- xv) Give the fundamental requirements of relay.

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