Total No. of Questions: 7]

[Total No. of Printed Pages: 2

Roll No

EE/EX-5003 (CBGS)

B.E. V Semester

Examination, December 2017

Choice Based Grading System (CBGS) Switchgear and Protection

Time: Three Hours

Maximum Marks: 70

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Note: i) Attempt any five questions.

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- All questions carry equal marks.
- 1. a) What is sequence networks and their interconnection for different types of faults?
 - What are current limiting reactors and its locations and applications?
- Classify static relays and what is digital relays.
 - Describe MHO and reactance relay with R-X diagram.
- What are symmetrical components and its applications to power systems?
 - b) What is negative sequence and over current, over voltage relays?

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Describe in detail the co-ordination between motor protection C.B. and a HRC fuse.

- Describe Merz-price differential protection of transformer.
- What is power line carrier current protection?
 - Describe in detail the arc characteristics and current choping in SF, gas, circuit breaker.
- What is the reverse power protections schemes in power systems?
 - Describe different protection of generators.
- What is B.I.L. and insulation co-ordination?
 - Describe protection against lighting and what is the use of lighting arrestors.

What is earthing transformers and describe the use of earth wires in power systems?

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