

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE – RAIGAD – 402 103
Winter End Semester Examination – December 2019

Branch: M.Tech. *EPS*

Semester: I

Subject:- Advance Power System Protection (MTEPS202/MTEE202) **Marks: 60**

Date:- 13/12/2019

Time: 3 Hrs.

Instructions to the Students

1. Each question carries 12 marks.
2. Attempt any five questions of the following.
3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
4. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly.

(Marks)

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| Q.1. Explain the basic construction of static relays. | (12) |
| Q.2. What are phase comparators? Explain block spike phase comparator. | (12) |
| Q.3. Define and explain MHO relay sampling comparator. | (12) |
| Q.4 Explain basic principle of digital computer relaying. | (12) |
| Q.5. Explain effect of power swing on the performance of distance relays. | (12) |
| Q.6. What is a switched distance schemes | (12) |

Paper End