DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE – RAIGAD -402 103

Semester Examination – May - 2019

Branch:-Electrical Engineering Sem.:- I

Subject with Subject Code: - POWER SYSTEM-I (BTEEC402) Marks: 60

Date:- 14/05/2019 Time:- 3 Hr.

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

Q.1.

a) Explain the working of thermal power plant with neat diagram

b) Explain the typical layout for a storage type hydro power plant

c) Explain the different types of sources for energy generation

Q.2.a) Explain the electrical equipment's used in typical 11KV indoor Sub-station

(6)

b) The arrangement of conductors of a single phase transmission line is shown in figure 1, wherein the forward circuit is composed of three solid wires of 2.5mm and return circuit of 2 wires of 5mm, placed Symmetrically with respect to forward circuit find Inductance of the line?

