

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE
 Regular End Semester Examination – Summer 2022

Branch : Electronics and Telecommunication/ Electronics and Telecommunication
 (Sandwich) Engineering

Semester : IV

Course: B. Tech. Subject Code & Name: BTETC401(Network Theory)

Max Marks: 60

Date: 12/08/2022

Duration: 3.45 Hr.

Instructions to the Students:

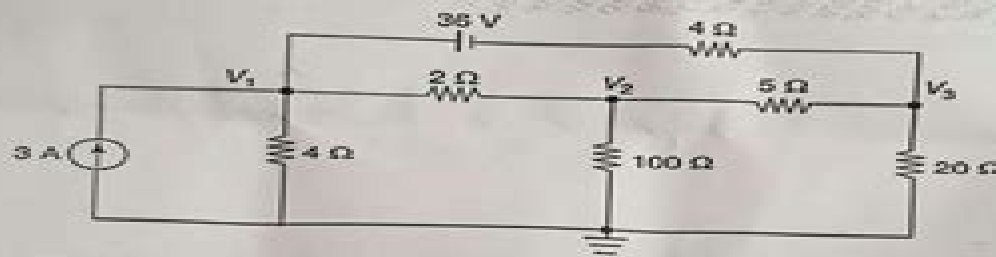
1. All the questions are compulsory.
2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
3. Use of non-programmable scientific calculator is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

Q. 1 Solve Any Two of the following.

(Level/CO) Marks

A) For the network shown, find voltages V_1 and V_2 using Node Analysis

CO1 6



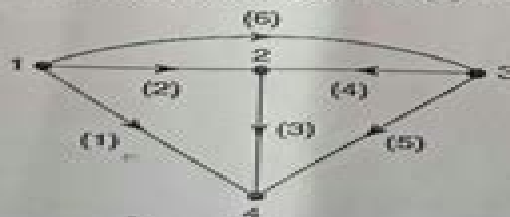
B) State Superposition theorem and Find the current in the 1Ω resistors

CO1 6



C) Define the terms : Branch and Node related to graph of a network and For the graph shown below write the (a) incidence matrix (b) Tie set matrix

CO1 6



Nelectrical Trade Theory Question Paper 24

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