

Jawahar Education Society's
 A. C. Patil College of Engineering, Kharghar, Navi Mumbai.
 Academic year-2015-16

Unit Test-I

Sub: BEE

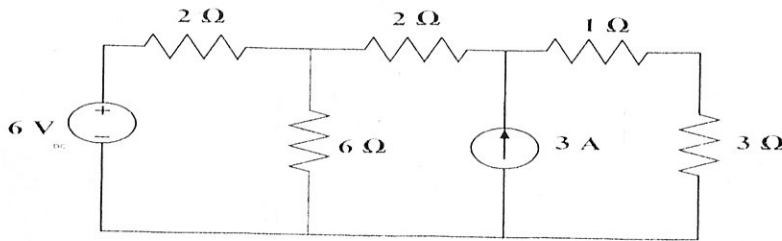
Class - FE

Note: - 1. Solve any **FOUR** questions. (5 marks each)

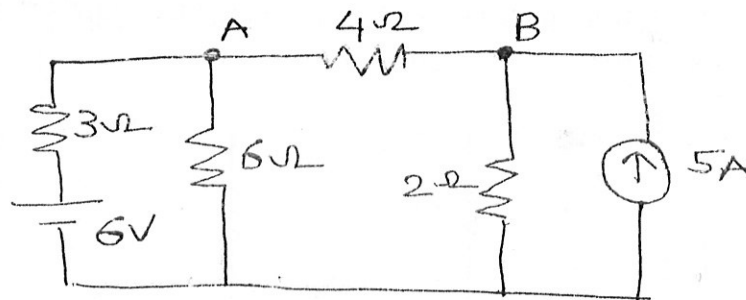
Marks: 20

Sem -I

Q1. By source transformation, find current in $3\ \Omega$ resistor in the circuit shown.



Q2. Find current through $4\ \Omega$ resistance for the n/w shown below using nodal analysis.



Q3. Determine the value of R for maximum power transfer. Also find magnitude of maximum power transferred.

$$P = I^2 R$$