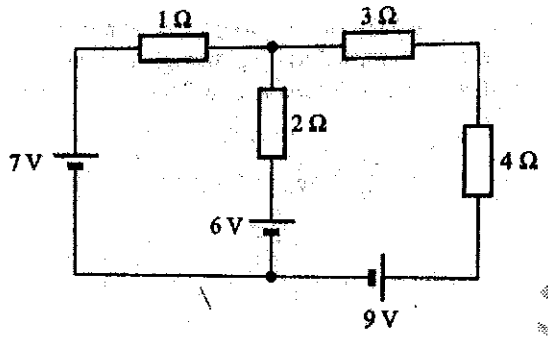
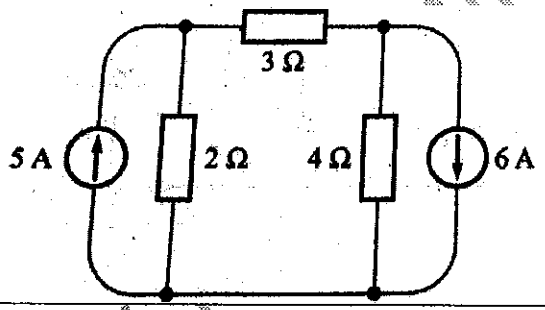
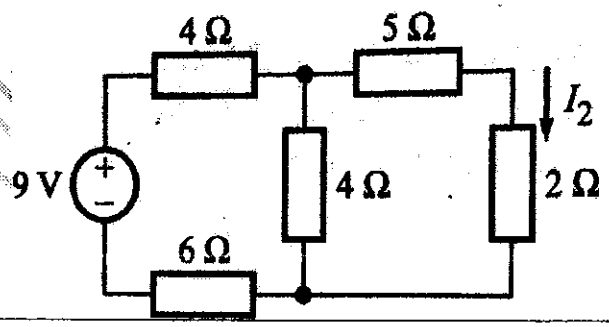
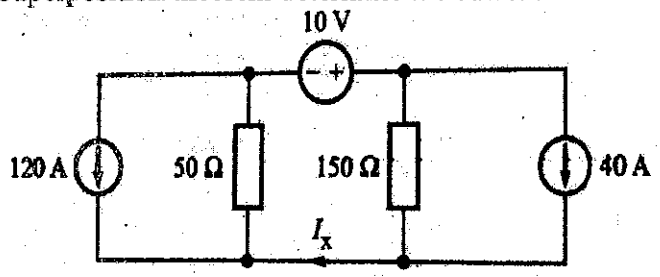
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -1 EXAMINATION- 2025
B.Tech-I Semester (CSE/IT/ECE/CE/BT/BI)

COURSE CODE (CREDITS): 25B11EC112 (4) MAX. MARKS: 15
COURSE NAME: Basic Electronics for Life Sciences
COURSE INSTRUCTORS: Er. Munish Sood MAX. TIME: 1 Hour

Note: *(a) All questions are compulsory.*
(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	Using Mesh analysis determine the voltage across 2 Ω resistor. 	1	3
Q2	Using Nodal analysis determine the voltage across 3 Ω resistor. 	1	3
Q3.	Using Thevenin's theorem, calculate the current I_2 through 2Ω resistor. 	2	4

Q4.	Using Superposition theorem determine the current Ix for the given circuit. 	**2**	**5**