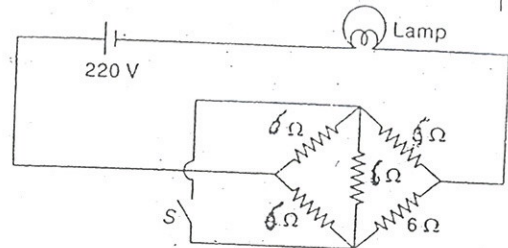


DM COE
 Maximum Marks: 20

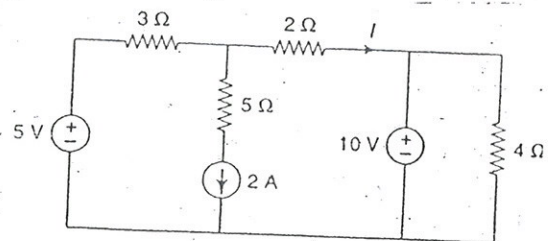
TIME: 1 hr

Note: Attempt any four questions out of Six.
 All questions carry equal marks.

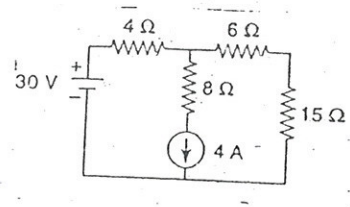
Q.1 Current through lamp remains same whether switch is open or close, justify the statement.



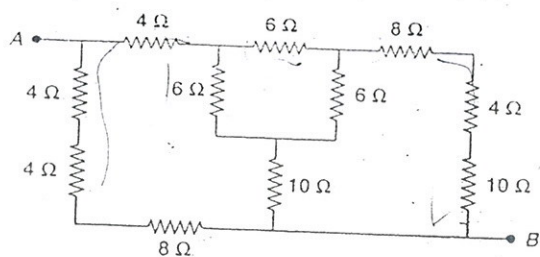
Q.2 Using Superposition principle, find current in 2 Ω



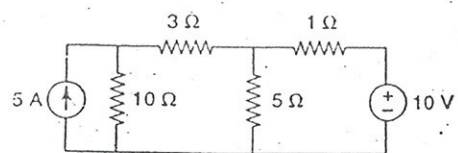
Q.3 Using Norton's Theorem, find current in 15 Ω



Q.4 Find R_{AB}



Q.5 Using Nodal analysis Theorem, find current in 3 Ω



Q.6 Find the magnitude of maximum power transferred to the load.

