RVK/KW/13/3272/3363/3371/3381/3550

Faculty of Engineering & Technology

Eighth Semester B.E. (Electronics/EDT/E&T/IND/

Electro)/Seventh Semester B.E. P.T. (Electro.)

Examination

COMPUTER COMMUNICATION AND NETWORKS

Sections—A & B

Time: Three Hours]

[Maximum Marks: 80

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry marks as indicated.
- (2) Answer THREE questions from Section A and THREE questions from Section B.
- (3) Due credit will be given to neatness and adequate dimensions.
- (4) Assume suitable data wherever necessary.
- (5) Illustrate your answers wherever necessary with the help of neat sketches.

SECTION-A

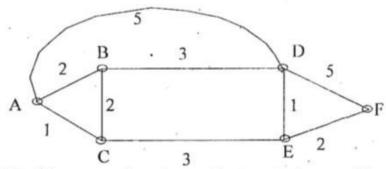
- (a) Explain different types of Network and Network Topology.
 - (b) Draw neat diagram of generalized Time devision space switch and explain its working.

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Apply Dijkstra Algorithm to find the shortest path from node A to node F



- Discuss various issues that are to be considered in design of network layer.
- What is congestion? What are its types? What are the congestion control algorithms?
 - Explain in detail, cryptography used in network security.
- 10. Write notes on (any Two) :-
 - Domain name system.
 - Electronic mail system.
 - (iii) Real time transport protocol.

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with example.

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