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By K B Hemanth Raj

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COMPUTER NETWORKS

[As per Choice Based Credit System (CBCS) scheme]

(Effective from the academic year 2017 -2018)
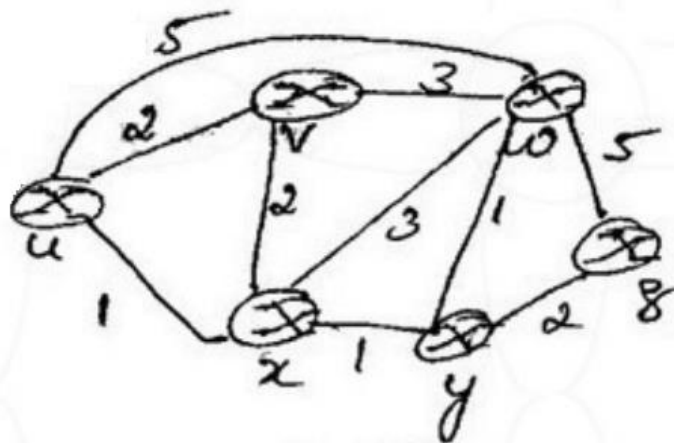
SEMESTER – V

Subject Code **17CS52**   IA Marks **40**

Number of Lecture Hours/Week **04**   Exam Marks **60**

Module 3

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1. Write the link-state routing algorithm. Solve the following graph using link-state algorithm with source node 'u'.
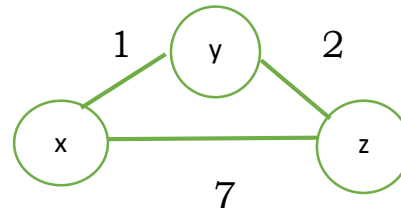

    (8-Marks)   (5a) (Dec.2017/Jan.2018)

2. What is routing? Explain the structure of a router. (8-Marks) (5b) (Dec.2017/Jan.2018)

3. Discuss the IPv6 packet format. (5-Marks) (6a) (Dec.2017/Jan.2018)

4. Elaborate the path attribute in BGP and steps to select the BGP routes. (5-Marks) (6b) (Dec.2017/Jan.2018)

5. List the broadcast routing algorithms. Explain any one of them. (6-Marks) (6c) (Dec.2017/Jan.2018)

6. Draw IPv6 datagram format, mention the significance of each fields. (8-Marks) (5a) (June/July 2018)

7. Apply distance-vector algorithm for the following Figure. (8-Marks) (5b) (June/July 2018)

8. Illustrate Routing Information Protocol (RIP) with suitable diagram. (8-Marks) (6a) (June/July 2018)

9. Explain the spanning tree algorithm. (8-Marks) (6b) (June/July 2018)

10. With diagram explain router architecture. (8-Marks) (5a) (Dec.2018/Jan.2019)

11. Explain IP fragmentation. (8-Marks) (5b) (Dec.2018/Jan.2019)

12. Explain distance vector algorithm. (8-Marks) (6a) (Dec.2018/Jan.2019)

13. Explain 4 types of hierarchical OSPF router. (4-Marks) (6b) (Dec.2018/Jan.2019)

14. Compare link state with distance vector algorithm. (4-Marks) (6c) (Dec.2018/Jan.2019)

ANSWER SCRIP FOR THESE QUESTIONS WILL BE UPLOADED ASAP
Visit:
https://hemanthrajhemu.github.io/AnswerScript

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