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FACULTY OF SCIENCE

Code No. 3328

B.Sc. VI-Semester (CBCS) Examination, May / June 2019

Subject : Computer Science

Paper – VII (DSC) : Computer Networks

Time : 3 Hours

Max. Marks: 60

PART – A (5 x 3 = 15 Marks)
(Short Answer Type)
Note : Answer any FIVE of the following questions.

1. What are data communication components?
2. Explain Time Division multiplexing in detail.
3. Explain about Tokening in detail.
4. Define packet switching.
5. Define the terms (a) Router (b) Repeater
6. Give any three functions of transport Layer.
7. Explain about STP (Shielded Twisted pair).
8. Define IP address

PART – B (3 x 15 = 45 Marks)
(Essay Answer Type)
Note: Answer ALL from the questions.

9. (a) Differentiate between TCP / IP and OSI Reference model.

OR

(b) (i) Write in detail about unguided transmission media.
    (ii) Write in detail about different topologies.

10. (a) (i) Explain in detail about Token ring.
    (ii) Write a short notes on Ethernet.

OR

(b) (i) Define error detection and list out different error detection techniques in detail.
    (ii) Write short notes on sliding Window protocol.

11. (a) Explain link state Routing protocol in detail.

OR

(b) Explain in detail about the services provided by Transport layer protocols.

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