

Roll No. _____

MAY-2014

Total no of page-2

Time: 03 hours

maximum Marks: 60

Instruction to Candidate:

- 1) Section - A is compulsory consisting of ten questions carrying two marks each.**
- 2) Section - B contains five questions carrying five marks each and student has to attempt any four questions.**
- 3) Section - C contains three questions carrying ten marks each and student has to attempt any two questions.**

Section A

Q1. a) Name the factors that affect the performance of the network.

- b) What is Multiplexing?**
- c) What is TDM?**
- d) List the responsibilities of Data Link Layer?**
- e) What are the categories of Transmission media?**
- f) Define Character Stuffing.**
- g) What is Bit Stuffing?**
- h) What is Error Control?**
- i) What is Stop-and-Wait Protocol?**
- j) What is Sliding Window?**

SECTION B

- Q2. Define VPN. Explain point to point tunneling protocol (PDTP).
- Q3. Define and explain proxy server.
- Q4. Explain the error Detection methods.
- Q5. Explain the Framing Protocols
- Q6. What is the importance of data link layer? What services it provides to network layer?

SECTION C

- Q7. Explain the OSI Network architecture specifying the functions of each layer.
- Q8. Explain the various transmission media for data communication.
- Q9. Write in detail about Transport Service Primitives.

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