



22524/E 240

Reg. No.

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**V Semester B.C.A.2 Degree Examination, Nov./Dec. 2017
(Repeater)
COMPUTER NETWORKS**

Time : 3 Hours

Max. Marks : 80

Instructions : Answer *all* the Sections.

Draw neat diagrams wherever necessary.

SECTION – A

- I. Answer **any ten, each** carries **two** marks : **(10×2=20)**
- 1) Define computer networks. Give examples.
 - 2) What do you mean by Topology ? Give examples.
 - 3) Expand LAN and WAN.
 - 4) Mention three switching methods.
 - 5) What is parity checking ?
 - 6) Give examples of protocols of Data Link Layer.
 - 7) Mention types of channel allocation.
 - 8) What are different versions of CSMA ?
 - 9) What are Routing and Routing Algorithm ?
 - 10) What do you mean by congestion ?
 - 11) Write two transport layer protocols.
 - 12) What are WWW and DNS ?

SECTION – B

- II. Answer **any six, each** carries **five** marks : **(6×5=30)**
- 13) Explain MAN.
 - 14) Draw a neat diagram of co-axial cable. Explain.
 - 15) What are Go-Back-N and Selective Repeat. Explain.

P.T.O.



- 16) Explain ALOHA.
- 17) Explain IEEE 802.3.
- 18) Explain open shortest path first routing.
- 19) Write a note on Internetworking.
- 20) Explain e-mail.

SECTION – C

III. Answer **any three**, **each** carries **ten** marks : **(3×10=30)**

- 21) What is layered architecture ? Explain OSI reference model with a neat layered architecture diagram.
 - 22) Explain WiFi as Wireless LAN standard.
 - 23) Explain Leaky Bucket and Token Bucket congestion control techniques.
 - 24) Explain Hierarchical Routing Algorithm.
 - 25) Write short notes on :
 - a) Framing
 - b) CRC.
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