

11 APR 2019

Seat No. _____

BCA SEM - V Examination

Data Communication and Networking Paper No. : BCA-CC-506

Subject Code: 21551

Time : 2:30 Hrs

Total Marks: 70

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|-----------|--|------|
| Q-1 (A) | Explain Fiber Optic Cable with its diagram. | [07] |
| Q-1 (B) | Write a detail note on "Mode of Data Transmission" | [07] |
| OR | | |
| Q-1 (A) | Write a short note on Microwave. | [07] |
| Q-1 (B) | Explain Twisted pair cable. | [07] |
| Q-2 (A) | Write a brief note on LAN, MAN and WAN. | [07] |
| Q-2 (B) | Explain File Server and Database Server. | [07] |
| OR | | |
| Q-2 (A) | Write a detail note on types of Connection. | [07] |
| Q-2 (B) | Explain Web server and Application server. | [07] |
| Q-3 (A) | What do you mean by Topology? Explain Tree and Mesh Topologies. | [07] |
| Q-3 (B) | Write a note on Repeater and Bridge. | [07] |
| OR | | |
| Q-3 (A) | Write a detail note on Hub and Switch. | [07] |
| Q-3 (B) | Explain Router and Gateway with appropriate diagram. | [07] |
| Q-4 (A) | What is Switching Techniques? List various Switching Techniques and explain any one. | [07] |
| Q-4 (B) | What is IP address? Explain class of IP addressing. | [07] |
| OR | | |
| Q-4 (A) | Write a short note on OSI reference model. | [07] |
| Q-4 (B) | Write a detail note on IP packet format. | [07] |
| Q-5 (A) | Write a detail note on DNS. | [07] |
| Q-5 (B) | Explain SMTP, IMAP and MIME. | [07] |
| OR | | |
| Q-5 (A) | Explain FTP modes and FTP commands. | [07] |
| Q-5 (B) | Write a short note on E-mail. | [07] |