

Total No. of Questions : 5]

SEAT No. :

PB1466

[6226]-401

[Total No. of Pages : 2

S.Y.B.B.A.

COMPUTER APPLICATION

CA - 401 : Networking

(2019 Pattern) (CBCS) (Semester - IV)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Neat diagrams must be drawn wherever necessary.*

Q1) Attempt any eight of the following:

[8×2=16]

- a) Write name of addresses used in TCP/IP protocol.
- b) Define Computer Network.
- c) What are the types of transmission media?
- d) What is wireless LAN?
- e) Define HUB.
- f) What is encryption?
- g) What is need for network security?
- h) Define Intranet.
- i) What is bridge?
- j) What are the two types of standards?

Q2) Attempt any four of the following.

[4×4=16]

- a) Difference between connection oriented and connectionless network models.
- b) Explain TCP/IP protocol in details.
- c) Define unguided media. Explain any one in detail.
- d) Describe the frame format and physical layer of ethernet.
- e) What is cryptography? Explain symmetric key cryptography.

P.T.O.

Q3) Attempt any four of the following.

[4×4=16]

- a) Explain types of security services.
- b) Define ISO/OSI reference model. Explain any one layer in detail.
- c) Difference between twisted pair cable and coaxial cable.
- d) Define network topology? Explain any one in detail.
- e) What is wireless transmission? Explain any two media in details.

Q4) Attempt any four of the following.

[4×4=16]

- a) What are the network connectivity devices? Explain any one in detail.
- b) Explain communication modes in details.
- c) Comparison between server based LAN and peer to peer LAN.
- d) What is copyright? Explain its application.
- e) Explain classfull addressing in details.

Q5) Write short note on : any two.

[2×3=6]

- a) Propagation modes.
- b) Intranet and Extranet.
- c) Firewall.

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