

Total No. of Questions : 5]

SEAT No. :

PA-1973

[Total No. of Pages : 2

[5954]-401

S.Y. B.B.A. (C.A.)

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 three of the following :

[3 × 5 = 15]

- a) Define Network Topology? Explain different types of topologies.
- b) Explain function of each layer of ISO-OSI reference Model.
- c) What is wireless transmission? Explain any two media in detail.
- d) Define the bridge? Explain the types of bridge.

Q2) Attempt any three of the following :

[3 × 5 = 15]

- a) Define Computer Network? Explain goals of Computer Network.
- b) Explain different types of Addresses.
- c) Explain propagation methods in detail.
- d) Explain Firewall and its Security Features.

Q3) Attempt any three of the following :

[3 × 5 = 15]

- a) Draw TCP/IP model and state the function of each layer.
- b) Compare connection oriented and connectionless services.
- c) What is Router? Explain its components.
- d) What is Ethernet? What are it's types? Explain any one in detail.

P.T.O.

Q4) Attempt any three of the following :

[3 × 5 = 15]

- a) Explain IEEE standards 802-11 in detail.
- b) Compare ISO-OSI reference model and TCP/IP model.
- c) What is cryptography? Explain encryption and decryption process.
- d) Explain Fiber optic cable in detail.

Q5) Write notes on (Any Two) :

[2 × 5 = 10]

- a) Modes of Communication.
- b) Bluetooth Architecture.
- c) MAC sublayer with its Frame Format.
- d) Copyright.

▽▽▽▽