

Seat No _____

T.Y.B.C.A. Examination
Data Communications and Network (304)

March/April- 2016

Time 3.00 Hrs

code No. 26616

100 Marks

Q-1 Write short note on the following

[20]

- a) VHF
- b) Microwave
- c) Coaxial Cable
- d) Twisted Pair

OR

Q-1 Attempt the following

[20]

- (a) Write detail note on Fiber Optic.
- (b) Explain: Analog and Digital communication in detail.

Q-2 Write short note on the following

[20]

- (a) Light Detector
- (b) Optical Fiber Communication
- (c) Satellite Communication
- (d) FDDI

OR

Q-2 Attempt the following

[20]

- (a) Differentiate Optical Fiber Communication and Satellite Communication.
- (b) How satellite communication system works? Explain.

Q-3 Write short note on the following

[20]

- (a) Circuit Switching
- (b) Packet Switching
- (c) PABX
- (d) Fax

OR

Q-3 Attempt the following

[20]

- (a) Explain Digital Telephony in detail.
- (b) What is ISDN? Explain its utility.

Q-4 Differentiate the following.

[20]

- (a) LAN and WAN
- (b) Star Topology and Bus Topology

OR

Q-4 Write short note on the following

[20]

- (a) IEEE Standards for LAN and MAN
- (b) Token Ring
- (c) Ethernet
- (d) List and define OSI layers

Q-5 Write short note on the following

[20]

- (a) ATM
- (b) DLP
- (c) X.25
- (d) Modem

OR

Q-5 Attempt the following

[20]

- (a) TCP/IP? Explain in detail.
- (b) Differentiate Switch and Hubs.