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SECOND YEAR (BBA(CA))
BBA24103: COMPUTER NETWORK
(Semester IV)

Program: BBA (CA)
Program Specific: BBACA07
Course Type: CC
Paper:

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET:A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

Q1) Answer following:

[5 X 1 = 05]

- 1) How many layers does the OSI model have?
a) 5 b) 6 c) 7 d) 8
- 2) What type of IP addressing is used for one-to-one communication?
a) Unicast b) Multicast c) Broadcast d) Anycast
- 3) ----- defines wired LAN (Ethernet)?
a) IEEE 802.11 b) IEEE 802.15 c) IEEE 802.3 d) IEEE 802.16
- 4) Which of the following cable is NOT a guided transmission medium?
a) Twisted Pair b) Coaxial c) Fiber Optic d) Radio Waves
- 5) In public-key cryptography, which key is used for encryption?
a) Private Key b) Public Key c) Public, Private key d) No key is used

Q2) Answer the following(Any 5)

[5 X 1 = 05]

- 1) What is a computer network?
- 2) Identify the OSI model layer responsible for encryption and decryption.
- 3) Name one example of unguided transmission media.
- 4) State the use of IEEE 802.11(Wifi) standard .
- 5) Define : Cryptography
- 6) Write the function of a router in a network.
- 7) What is the frequency range of radio waves in wireless communication?

Q3) Answer the following(Any 4)

[4 X 4 = 16]

- 1) Explain Twisted pair cable in detail.
- 2) What are different modes of communication ? Explain any one in detail.
- 3) Draw a OSI model and explain in brief.
- 4) Illustrate the difference of Encryption and decryption.
- 5) Draw a diagram of Star topology and Mesh topology.
- 6) What is transmission media ? Explain with types.

Q4) Answer the following(Any 1)

[1 X 4 = 4]

- 1) What are IEEE standards? Explain any one in detail.
- 2) State the class of the following IPV4 address.
 - a. 192.168.1.10
 - b. 10.10.200.6
 - c. 254.15.165.1
 - d. 172.16.1.10
