

No. of Printed Pages : 4
Roll No.

220852

5th Sem / Computer, Artificial Intelligence & Machine Learning. Computer (For Speech and Hearing Impaired)

Subject : Computer Networks

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 In full duplex mode the communication is
a) unidirectional b) bidirectional
c) Tridirectional d) multidirectional
- Q.2 IPV6 addresses have a size of
a) 128 bits b) 64 bits
c) 256 bits d) 512 bits
- Q.3 Which topology require a multipoint connection
a) Star b) Tree
c) Ring d) Bus
- Q.4 Length of the port address in TCP/IP is
a) 4 bit b) 16 bit
c) 32 bit d) 8 bit

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Q.5 The information that gets transformed in encryption is

- a) Plain text b) Parallel text
c) Encrypted Text d) Decrypted

Q.6 What is the name of the device that connects two computers by means of a telephone line

- a) Cable b) Bus
c) Modem d) Tape

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Expand PSTN
- Q.8 Name any two Bluetooth Applications
- Q.9 SaaS stands for _____.
- Q.10 Define Protocol.
- Q.11 Expand UDP.
- Q.12 List one advantage of cloud computing.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain advantages & disadvantages of a computer Network.

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- Q.14 Define Network Security & write its principles.
- Q.15 Write short note on the Loop Back Concept.
- Q.16 Explain IP addressing along with its format.
- Q.17 Explain Supernetting & subnetting.
- Q.18 Explain techniques of Cryptography.
- Q.19 Write advantages of Cloud computing.
- Q.20 Difference between LAN, WAN & MAN.
- Q.21 Explain in brief OSI model.
- Q.22 Explain routers in detail.

SECTION-D

Note: Long answer questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain TCP/IP Model.
- Q.24 Explain Network topology & its types.
- Q.25 Explain
- a) Gateway
 - b) Bluetooth Technology