

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

(1)

220852

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.

(2)

220852

- 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

(3)

220852

(1340)

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220852