

SECTION-D

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

Q.23 Differentiate between OSI model and TCP/IP Model. Draw diagram of OSI Model.

Q.24 Elaborate Network topologies. Explain various network topologies with diagram.

Q.25 Write a note on

- a) Bluetooth
- b) Supernetting.

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Roll No.

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Subject : Computer Networks

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Paas stands for

- a) Platform as a Service
- b) Platform as a Security
- c) Platform and a Service
- d) Platform as a software

Q.2 The arrangement where all data pass through a central computer is known as

- a) Ring topology
- b) Mesh topology
- c) Star topology
- d) Bus topology

Q.3 Which of the following address belongs class A?

- a) 121.12.12.248
- b) 130.12.12.248
- c) 128.12.12.248
- d) 129.12.12.248

- Q.4 MAN stands for
- Metropolitan Area Network
 - Many area Network
 - Metropolitan Area Net
 - None of the above
- Q.5 In the OSI model, which layer is responsible for end-to-end communication
- Physical Layer
 - Data Link Layer
 - Transport Layer
 - Presentation Layer
- Q.6 OSI Reference model stands for
- Online Systems Interconnection
 - Open Systems Internet
 - Open Systems Interconnection
 - Online System Interconnection

SECTION-B

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

- Q.7 RAID stands for _____.
- Q.8 UDP stands for _____.
- Q.9 List one network topology.
- Q.10 DHCP stands for _____.

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Q.11 Router operates at the Network Layer of OSI Model. (True/False)

Q.12 ARP is Address Resolution Protocol. (True/False)

SECTION-C

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

- Q.13 Elaborate various deployment models in cloud computing.
- Q.14 Explain the architecture of Bluetooth.
- Q.15 Explain IPV4 header in details.
- Q.16 List and explain various networking models.
- Q.17 Write a short note on a) bridges b) switches.
- Q.18 Explain the role of Network Address Translation.
- Q.19 Differentiate between Subnetting and Supernetting.
- Q.20 Explain functions of various layers of TCP/IP Model.
- Q.21 Differentiate between physical and logical addressing.
- Q.22 Explain Network Security. Also define Cryptography.

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