Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
Third Semester MCA Degree (S,FE) Examination November 2024

Course Code: RLMCA201
Course Name: COMPUTER NETWORKS

Max. Marks: 60   Duration: 3 Hours

PART A
Answer all questions, each carries 3 marks.   Marks

1	Describe how datagram is constructed.	(3)
2	Illustrate socket. Explain how it works.	(3)
3	Discuss pipelining.	(3)
4	Illustrate NAT.	(3)
5	Explain taking-turns protocol.	(3)
6	Illustrate ARP protocol.	(3)
7	Differentiate between active scanning and passive scanning.	(3)
8	Describe Bluetooth.	(3)

PART B
Answer six questions, one full question from each module and carries 6 marks.

Module I

9	Discuss seven layer ISO OSI reference model. Use diagram.	(6)

OR

10	Describe the types of network attacks.	(6)

Module II

11	Illustrate how P2P architecture is different from Client-Server architecture.	(6)

OR

12	Illustrate the services provided by DNS.	(6)

Module III

13	Differentiate between connection oriented multiplexing and connection oriented demultiplexing.	(6)

OR

14   Explain reliable data transfer protocols.   (6)

Module IV

15   Explain principles of routing.   (6)

OR

16   Illustrate IPV4.   (6)

Module V

17   Discuss error detection and correction techniques.   (6)

OR

18   Illustrate CSMA/CD.   (6)

Module VI

19   Discuss SNMP.   (6)

OR

20   Illustrate 802.11 architecture.   (6)

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