PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MCA DEGREE EXAMINATION DECEMBER 2022

(First Semester)

Branch - COMPUTER APPLICATIONS

COMPUTER NETWORKS

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• .		SECTION-A (5 Marks) Answer ALL questions questions carry EQUAL marks	$(5 \times 1 = 5)$
	Routing process is mar (i) Physical (iii) Network	naged by layer. (ii) Data Link (iv) Transport	
	(i) Socket (iii) Protocol	to a host in TCP is called as (ii) Session (iv) Port	
	(i) Segmentation (iii) Partition	s small packets is known as (ii) Fragmentation (iv) Division	_
•	ends is called as (i) Simplex (iii) Full Duplex	ommunication that can be done sin (ii) Half Duplex (iv) Prolix	
5	is performed transmitted in the mid (i) Equalization (iii) Demodulation	d at the receiver with the help of the damble of every time slot. (ii) Hopping (iv) Synchronization	
·	AL	SECTION - B (15 Marks) Answer ALL Questions L Questions Carry EQUAL Mark	$(5 \times 3 = 15)$
6		d MAN networks. OR basic functions of e-mail systems.	•
7	a Justify the use of	Berkeley Sockets. OR ote on the TCP Service Model.	
8	a Explain about t Algorithm.	the Choke Packets concepts in	
	b Produce the salie	ent features of Open Shortest Path	First Gateway Protocol

- State about Time Division Multiple Access in detail. OR
 - Classify the difference between Circuit and Packet Switching. b
- Explain about Forward CDMA Channel. 10 a

OR

Illustrate in brief about Reverse CDMA Channel. b

SECTION -C (30 Marks)

Answer ALL questions ALL questions carry EQUAL Marks

 $(5 \times 6 = 30)$

- 11 a Classify the layers and its functions in the OSI Reference Model.

 - b Elucidate about the usage of the World Wide Web.
- 12 a Compare the difference between Connection Establishment and Connection Release.

OR

- b Develop a concept analysis on TCP Connection Management Modeling.
- 13 a Survey on Quality of Service need for network layer.

- b How Internet Control Protocols plays a vital role in data transfer? Explain.
- 14 a Survey about the Frequency Division Multiple Access.

- Interpret the necessity of Wireless Data Service in data communication.
- Elaborate about GSM with neat diagram.

b Design and develop any one of the Wireless Technologies in Industrial Application.

END