# PSG COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS)

#### **MSc DEGREE EXAMINATION MAY 2022**

(Second Semester)

## Branch - COMPUTER SCIENCE

## ADVANCED COMMUNCATION NETWORK

	Tir	ne: Three Hours	of the contract of the second	Maximum: 50 Marks
			SECTION-A (5 Marks)	
			Answer ALL questions	(5 + 1 - 5)
٠.,		ALL qu	estions carry EQUAL marks	$(3 \times 1 - 3)$
1.	from a) So	a source to the	b) Sender	quantity of data to travel
	•	ta link	d) destination	
2.	strategies fora) multicasting		ree routing protocol that uses R b) unicast	PF and pruning/grafting
3.	<ul><li>c) distance vector protocol</li><li>There are several tools that ca</li><li>a) searching</li><li>c) Error detection</li></ul>		an be used in the Internet for b) Error d) debugging	
4.				
5.	aa) W	and a foreign age	ess transparent to the rest of the ent. b) LAN d) MAN	Internet requires
			SECTION - B (15 Marks) Answer ALL Questions uestions Carry EQUAL Marks	$(5 \times 3 = 15)$
6	a	Explain about the netv		
	b	Explain routers.		
7	a	Compare static with d	OR	
	b	Explain the multicast	distance vector routing.	
8	a	Explain the message f	OR	
	b	Explain the ICMP pac	kage.	
9	a	Explain the proxy AR	OR	
	b	Describe about the ARP package.		
10	a		of home agent and foreign ager OR	it in mobile IP? Explain.
	b	Explain the aspects of	registration in three phases.	

#### SECTION -C (30 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks

 $(5 \times 6 = 30)$ 

11 a Discuss about the layers in OSI model.

OR

- b Explain about the TCP/IP protocol suite.
- 12 a Explain the unicast routing protocol.

OR

- b Discuss about the multicast link state routing: MOSPF.
- 13 a Discuss about the error reporting messages.

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- b Explain the checksum.
- 14 a Explain the packet format.

OR

- b Examine the seven steps involved in an ARP process of operation.
- 15 a Explain the mobile hosts.

OR

b Discuss about the data transfer in mobile IP

Z-Z-Z

**END**