STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – $600\,086$ (For Candidates admitted during the academic year 2019-2020 and thereafter)

B.C.A. DEGREE EXAMINATION – NOVEMBER 2024 FIFTH SEMESTER

COURSE : MAJOR CORE

PAPER : COMPUTER NETWORKS

SUBJECT CODE: 19CS/MC/CN55

TIME : 3 HOURS MAX. MARKS: 100

	SECT	ION - A		
ANSWER ALL THE QUESTIONS:			(20x1=20)	
Choose the correct an	swer:			
1. Walkie-talkies is an example of				
a) Simplex	b) Half-duplex	c) Duplex	d) Full-duplex	
	·			
a) Transfer Control Protocol		b) Transmission Control Protocol		
c) Transfer Constant Protocol		d) Transmission Constant Protocol		
3 is de	signed to use the high-da	ta-rate capability of	fiber-optic cable.	
a) FDM	b) TDM	c) WDM	d) all of the mentioned	
4. A switch in a datagra	nm network uses a	table that is base	d) all of the mentioned ed on the destination address	
a) Lookup	b) Network	c) Switching	d) Routing	
5. Datalink layer takes	a datagram and encapsula b) Frame	ates it in a packet ca	lled	
a) Signal	b) Frame	c) Packet	d) Datagram	
6. A 4 byte IP address of	consists of			
a) only network	address	b) only host address		
c) network address & host address		d) network address & MAC address		
	ter-process communication		nputer network is	
called	•			
a) socket	b) pipe	c) port	d) machine	
8. TELNET is an abbre	viation for			
			nication network d) None	
9 is 0	called as wireless commu	nication.		
a) Sending data fron	n one location to with the	use of physical med	dium	
b) Sending data from	n one location to another	without the use of p	hysical medium	
	n one location to another			
d) None of the ment	ioned			
10. If one site fails in d	istributed system then	<u> </u>		
a) the remaining sites can continue operating			b) all the sites will stop working	
c) directly connected	sites will stop working	d) none	of the mentioned	
•				
Fill in the blanks:				
11. A is	a set of rules that govern	n data communication	ons.	
12. In the OSI model, e	ncryption and decryption	are functions of the	e layer.	
	an have only a limited nu			
	use omnidirectional ante			

- 37. What are guided transmission media? Explain them.
- 38. Write in detail about Channelization.
- 39. Describe how flow control and error control is implemented in the transport layer.
- 40. Elucidate different types of architectural styles in distributed systems.
