SRM Institute of Science and Technology
College of Engineering and Technology
School of Computing

Set - A

SRM Nagar, Kattankulathur – 603203, Chengalpattu District, Tamil Nadu

Academic Year: 2021-22 (Even)

Test: CLA-T1   Date: 06-04-2022
Course Code & Title: 18CSS202J - Computer Communications   Duration: 1 Hour
Year & Sem: II Year / IV Sem   Max. Marks: 25

Course Articulation Matrix:

S.No.	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	CO1	3	-	-	-	-	-	-	-	-	-	-	3
2	CO2	3	2	3	-	-	-	-	-	-	-	-	3
3	CO3	3	3	3	-	-	-	-	-	-	-	-	3
4	CO4	3	2	-	-	-	-	-	-	-	-	-	3
5	CO5	3	-	-	-	-	-	-	-	-	-	-	2
6	CO6	3	3	3	-	-	-	-	-	-	-	-	3

Part - A
(15 x 1 = 15 Marks)
Instructions: 1) Answer ALL questions. 2) The duration for answering the part A is 20 minutes (this sheet will be collected after 20 minutes). 3) Encircle the correct answer (if more than one is right answer encircle appropriately)

Q. No	Question	Marks	BL	CO	PO	PI Code
1	Pick out the elements of protocols a) Syntax b) Semantics c) Timing d) Formatting	1	L1	1	1	1.6.1
2	A _____ is the physical path over which a message travels. a) Path b) Medium c) Protocol d) Route	1	L2	1	2	2.6.3
3	Which of these are network edge device? a) PC b) Smartphones c) Servers d) Switch	1	L3	1	2	2.6.3
4	A _____is a set of rules that governs data communication. a) Protocols b) Standards c) RFCs d) Servers	1	L2	1	2	2.6.3
5	Three or more devices share a link in _____ connection. a) Uni point b) Multipoint	1	L3	1	2	1.6.1

	c) Point to point d) Simplex					
6	Select the TCP/IP layers from the list given below: a) Physical layer b) Data link layer c) Application layer d) Network layer	1	L2	1	2	2.6.3
7	The physical layer is not concerned with _____ a) bit-by-bit delivery b) process to process delivery c) application to application delivery d) port to port delivery	1	L1	1	1	1.6.1
8	The session layer provides _____ a) mechanical specifications of electrical connectors and cables b) electrical specification of transmission line signal level c) dialog making d) Session creation	1	L2	1	2	2.6.3
9	Which type of topology is not best suited for large businesses which must carefully control and coordinate the operation of distributed branch outlets? a) Ring b) Local area c) Hierarchical d) Star	1	L1	2	1	1.6.1
10	In the layer hierarchy as the data packet moves from the upper to the lower layers, headers are _____ a) Added b) Removed c) Rearranged d) Modified	1	L3	1	1	1.6.1
11	Tick out the characteristics of Transmission Control Protocol (TCP) a) Connectionless b) Unreliable c) Connection oriented d) Reliable	1	L2	1	2	2.6.3
12	Network layer data is called_____ a) Segment b) Datagram c) Streams d) Packets	1	L2	1	2	2.6.3
13	Pick out the following transport layer protocols a) Transmission control protocol b) Transfer control protocol c) User Datagram protocol d) Stream Control Transfer Protocol	1	L1	1	1	1.6.1
14	_____ is the reporting protocol a) ARP b) RARP c) IP d) ICMP	1	L2	1	2	2.6.3
15	Store-and-forward network uses _____ switching a) Circuit switching b) Message switching c) Packet switching d) Virtual switching	1	L3	1	1	1.6.1

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	Part – B (2 x 5 = 10 Marks) Instructions: Answer ANY two questions					
Q. No	Question	Marks	BL	CO	PO	PI Code
16	Explain the concept of Metropolitan Area Network with suitable topological diagram.	5	L2	2	1	1.6.1
17	State various functions of transport layer and explain each	5	L3	1	2	2.6.4
18	Classify and write a detail description about various types of transmissions	5	L1	1	1	1.6.1

Course Outcome (CO) and Bloom's level (BL) Coverage in Questions

CO Coverage in %

Blooms Level Coverage in %