OLD course 19/12/18

(4)

Paper / Subject Code: 70802 / Internet Technologies.

Q.P. CODE: 35228

(3 Hours) [Total Marks: 100]

N. B.: (1) Question No. 1 is compulsory.
(2) Attempt any four from Question Nos. 2 to 7.
(3) Make suitable assumptions wherever necessary and state the assumptions made.
(4) Answers to the same question must be written together.
(5) Numbers to the right indicate marks.
(6) Draw neat labeled diagrams wherever necessary.
(7) Use of Non-programmable calculators is allowed.

1	A	Write a short note on ARP packet format.	5
	B	Differentiate between RMI and CORBA.	5
	C	What are the components of WLAN? How can it be set up?	5
	D	Path Vector Routing is better than Distance Vector Routing and Link State Routing. Explain.	5
2	A	List and explain different types of messages used in BGP.	8
	B	Explain CORBA architecture. What is ORB?	6
	C	Write a RMI program for finding factorial of a number.	6
3	A	Explain any eight CORBA services.	8
	B	Explain cache control module in ARP.	6
	C	Explain socket class and server socket class with their respective methods.	6
4	A	Write a simple client server application using TCP where a client sends a number to the server and the server reverses the number and sends the reverse number to the client.	8
	B	Write a short note on Bluetooth.	6
	C	Draw and explain the different fields in IP header.	6
5	A	A link state update packet can contain which five types of LSA. Explain them.	8
	B	Discuss the silly window syndrome created by sender and its solution.	6
	C	Write a short note on RARP.	6
6	A	Explain the process of connection establishment and connection termination in TCP.	8
	B	Describe the distributed garbage collection in RMI.	6
	C	Differentiate between TCP and UDP programming.	6
7	A	List different types of packets available in BGP. Explain any three in detail.	8
	B	What is routing table? Explain the different fields in distance vector routing table.	6
	C	What is the purpose of retransmission timer in TCP? How is retransmission time calculated.	6

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