MARWADI UNIVERSITY
MU-FOT
CE-AI, CE-BIG DATA, CE-FOT1 (MU), IT-FOT1 (MU)
Semester 4 - Summer

Subject : CN (01IT0401)   **Date : 17-Mar-2021**
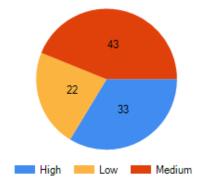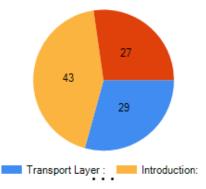**Total Marks : 30**   **Time : 1 Hours 15 Minutes**
Instructions :

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Que.1   **Answer the following questions.**   **[6]**
(A)

(1)   what is difference between LAN and WAN?

(2)   what is protocol?

(3)   Define throughput

(4)   Write one advantage each of bus topology used in networking

(5)   Which are email access protocol
        a. SMTP
        b. HTTP
        c. HTTP, POP3 and IMAP
        d. POP3 and IMAP

(6)   What do you mean by TCP?

Que.2

(A)   Why does a header is included in a packet? Is it always necessary to include a header? Justify your   **[6]**
        answer.

(B)   Explain connectionless transport protocol UDP with popular internet application.   **[6]**

                                            OR

(B)   What is Data Communication? What are the components required for data communication?   **[6]**

Que.3

(A)   What is transmission media? Write a brief of all of them   **[8]**

(B)   What is the difference between a user agent (UA) and a mail transfer agent? (MTA)?   **[4]**

                                            OR

(A)   What are the Functions of the Application Layer? And Design Issue With Application Layer?   **[8]**

(B)   **[4]**

what is Network Core and give its Classification in brief

- - -Best of Luck- - -

Subject : CN (01IT0401)   **Date : 17-Mar-2021**

Total Marks : 30   **Time : 1 Hours 15 Minutes**

Difficulty Level	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			
High	20	33	3	16	2(A), 2(B), 3(B)
Low	20	22	4	11	1(A), 3(A)
Medium	60	43	6	21	1(A), 2(B), 3(A), 3(B)

Module Name	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			
Transport Layer :	20	29	4	14	1(A), 2(A), 2(B)
Introduction:	40	43	6	21	1(A), 2(B), 3(A), 3(B)
Application Layer :	40	27	3	13	1(A), 3(A), 3(B)

Blooms Taxonomy	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			
Remember/Knowledge	20	4	2	2	1(A)
Understand	30	45	7	22	1(A), 2(B), 3(A), 3(B)
Apply	25	16	1	8	3(A)
Analyze	15	33	3	16	2(A), 2(B), 3(B)
Evaluate	10	0	0	0	
Higher order Thinking	0	0	0	0	

Course Outcome Wise Questions

Subject Code	**01IT0401**		Subject	**COMPUTER NETWORK**

CO No.	Course Outcome
CO1	(Remember) Describe the importance of computer networks and various performance metrics.
	1(A), 3(A), 3(B-Or)
CO2	(Understand) Distinguish and relate various protocols in layered architecture of computer networks.
	1(A)
CO3	(Apply) Explain various topological and routing strategies for IP based networks.
	1(A), 2(B)
CO4	(Apply) Prepare client server application using socket programming
CO5	(Analysis) Compare various devices and protocols that builds computer network.
	2(A), 2(B-Or), 3(B)
CO6	(Evaluate) Measure of network parameters.
	3(A-Or)

Blooms Taxonomy	Question List
Remember / Knowledge	1(A)
Understand	1(A), 2(B), 3(A), 3(B)
Apply	3(A-Or)
Analyze	2(A), 2(B-Or), 3(B-Or)
Evaluate	
Higher order Thinking / Creative	