



MARWADI UNIVERSITY

Faculty of Engineering/Technology

(COMPUTER ENGINEERING/INFORMATION TECHNOLOGY)

B.Tech. SEM: IV MID-SEM. EXAM: I MONTH: JAN-2019

Subject: - (COMPUTER NETWORK) (01IT0401)

Date:- 28/01/2019

Total Marks:-30

Time: - 75 Minutes

Instructions:

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

Question: 1.

[6]

- (a) Define the following terms:
 - (1) Queuing Delay (2) Transmission Delay (3) Propagation Delay
- (b) Compare Connection-less vs. Connection-oriented Networks.

Question: 2.

[12]

- (a) Draw the layered architecture of OSI reference model and explain any two layers of the model in detail.
- (b) Explain Guided Transmission Media with Diagram.

OR

- (b) Explain Stop and wait Error control and Flow control Mechanism in TCP.

Question: 3.

[12]

- (a) Explain the working of FTP protocol in brief with suitable diagram and also explain FTP Commands.
- (b) Explain Socket programming for UDP and TCP Interactions.

OR

- (a) Explain DNS Name Resolution Method through Iterative Query and Recursive Query.
- (b) What is HTTP? Differentiate its persistent and non-persistent types with request-response behavior of HTTP.

---Best of Luck---

- Bloom's Taxonomy Report -

Sub: COMPUTER NETWORK

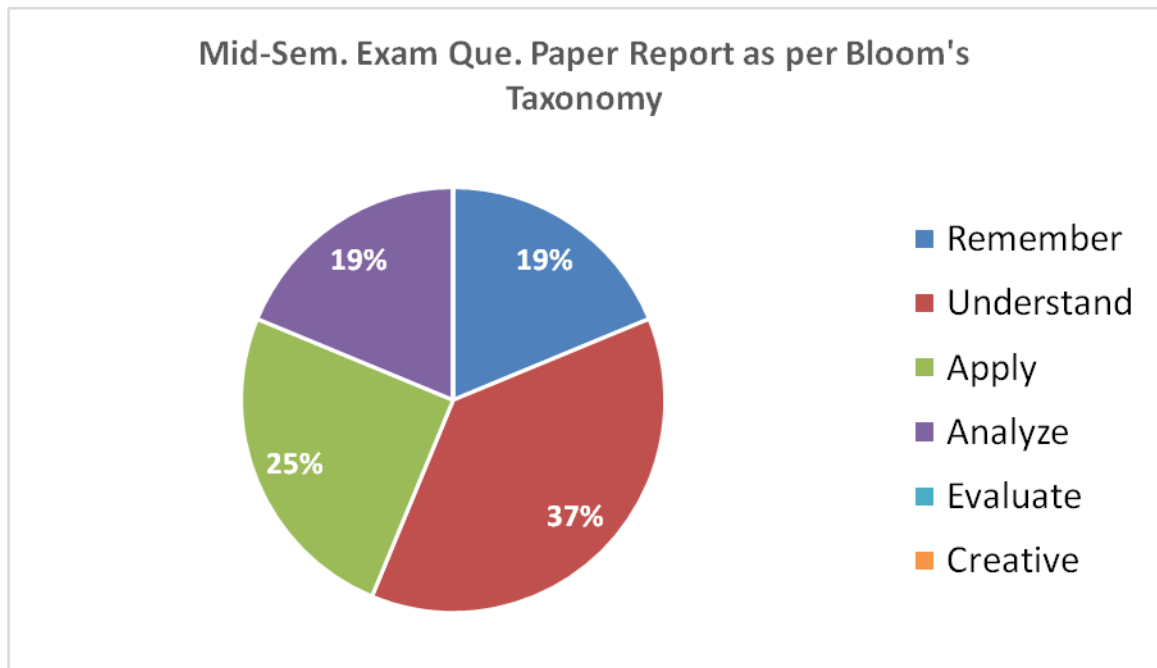
Sem.: 4TH MU

Branch: COMPUTER ENGINEERING/ INFORMATION TECHNOLOGY

Que. Paper weightage as per Bloom's Taxonomy

LEVEL	% of weightage	Question No.	Marks of Que.
Remember/Knowledge	18.75	Q1(a) Q2(a)	9
Understand	37.5	Q2(b) or Q2(b) or Q3(a)	18
Apply	25	Q3(a) or Q3(b)	12
Analyze	18.75	Q1(b) Q3(b)	9
Evaluate			
Higher order Thinking/ Creative			

Chart/Graph of Bloom's Taxonomy



Course Outcome Wise Questions

Subject Code	011T0401	Subject	COMPUTER NETWORK
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CO No.	Course Outcome
CO1	(Remember) Describe the importance of computer networks and various performance metrics.
CO2	(Understand) Distinguish and relate various protocols in layered architecture of computer networks.
CO3	(Apply) Explain various topological and routing strategies for IP based networks.
CO4	(Apply) Prepare client server application using socket programming
CO5	(Analysis) Compare various devices and protocols that builds computer network.
CO6	(Evaluate) Measure of network parameters.

Blooms Taxonomy	Question List
Remember / Knowledge	
Understand	
Apply	
Analyze	
Evaluate	
Higher order Thinking / Creative	