Graphic Era
Deemed to be University

INTERNAL ASSIGNMENT - 1

Course Code : - 23OMC102   **Last Date of Submission: -**
Course Title : - COMPUTER NETWORKS
Assignment No. : - 1   **Maximum Marks:** 30

Note:

1. The assignment has two parts, A and B. Part A is of 10 MCQ-type Questions of 1 mark each.
2. Part B is of 20 Marks having 8 Descriptive Questions. Attempt any 5 out of them.

Part-A   **(10 x 1 = 10 Marks)**

Q.No.	Question
1 Ans A	**A mesh is an example of** A. Topology B. Architecture C. Protocol D. Service
2 Ans B	**Which of the following device uses MAC address to forward packets** A. Hub B. Switch C. Router D. Modem
3 Ans C	**The data transmission rate is highest in** A. Copper wire B. Coaxial Cable C. Optical Fiber D. None of the above
4 Ans A	**In the OSI model, which performs error control?** A. Data Link Layer B. Transport Layer C. Session Layer

	D. Presentation Layer
5 Ans A	**The switching method used in the traditional telephone network is** A. Circuit Switching B. Packet Switching C. Frequency Switching A. D. Space Switching
6 Ans C	**Application layer protocol for sending and receiving emails** A. HTTP B. FTP C. SMTP B. D. None of the above
7 Ans D	**Which of these is not an FTP command?** A. USER B. PASS C. STOR C. D. PATCH
8 Ans A	**The port used for SMTP communication is** A. 25 B. 80 C. 586 D. D. None of the above
9 Ans B	**To stop the message transmission, POP3 uses ___ command** A. FINISH B. QUIT C. CLOSE A. D. None of the above

10 Ans A	**MIME protocol is used to** A. Attach multimedia to a mail message B. Encrypt a message C. Authenticate the user's identity D. D.　　None of the above

Section B (20 marks)

Attempt any five questions from Q1 to Q8.　　　　　　　　　(5 x 4 = 20 Marks)

Q.No.	Question	CO
1	Define Data Communication. Briefly explain its five components.	1
2	Describe the important network topologies.	3
3	List some of its services of Internet	1
4	What are the different media used for data transmission? Describe them.	2
5	Discuss Web Caching and its benefits	1
6.	Write a short note on HTTP protocol	2
7	Explain the working of IMAP protocol	2
8	Discuss how an E-mail system operates.	1