

December – 2023

B,Sc. (Animation)- Ist Semester

Fundamental of Information and Web Technology(B.SC-AM-23-103)

Time: 3 Hours

Max. Marks:75

- Instructions:**
1. It is compulsory to answer all the questions (1.5 marks each) of Part -A in short.
 2. Answer any four questions from Part -B in detail.
 3. Different sub-parts of a question are to be attempted adjacent to each other.

PART -A

- Q1 (a) Write limitations of file-based approach. (1.5)
- (b) Fill in the blanks: (1.5)
- The range of frequencies available for transmission of data is called _____.
- Any computer attached to the network is called a _____.
- A technique in which a dedicated and complete physical connection is established
- (c) Write a short note on SMTP. (1.5)
- (d) Two colleges in the same city wanted to transfer e-learning information. Which type of network will be used to implement the same? (1.5)
- (e) Convert 10001110 to a decimal number system. (1.5)
- (f) What is a bridge used for? (1.5)
- (g) What is the role of the microprocessor? (1.5)
- (h) What is the role of the network layer in OSI model? (1.5)
- (i) What do you mean by an anchor tag? (1.5)
- (j) When the user browses a website, the web server sends a text file to the web browser. What is the name of this? (1.5)

PART -B

- Q2 (a) Ms. XYZ discovered that the communication between her center and CV Raman block of the JCBUST is extremely slow and signals drop quite frequently. The distance between these two blocks is 140 meters. (10)
- i. Name the type of network.
 - ii. Name the device which may be used for smooth communication.
- (b) How is Tree Topology different from Bus topology? (5)
- Q3 (a) Explain different layers of TCP Ref. Model. (10)
- (b) Differentiate between FTP and HTTP (5)
- Q4 (a) What are the advantages and disadvantages of a Distributed operating system? (5)
- (b) What tags are use to add Audio and Video on a web page? Discuss. (5)
- (C) What is the difference between Kernal and Shell? (5)

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