

2130

4

- (b) Explain the different parts of your browser. Identify and explain the different parts of URL "http://www.collegedekho.com/compsci/main.html". (6)
5. (a) What is transmission impairment? Explain its types. (4)
- (b) Differentiate between wired and wireless media. Why should we use optical fibre for data transmission? (6)
6. (a) Differentiate between IPv4 and IPv6 addressing. Convert the IPv4 address 130.24.24.18 into IPv6 address. (5)
- (b) What is a wireless LAN. How is it different from a wired LAN? (5)
7. (a) Explain the essential criteria which a computer network must meet? (5)
- (b) What are the five components of data communication? (5)
8. Write short notes on the following (Any four) :
- (i) Geosynchronous satellite (ii) SMTP
(iii) HTTP (iv) <input> tag
(v) Gateway (vi) NIC (10)

(1500)

[This question paper contains 4 printed pages.]

26 DEC 2022

Your Roll No.

Sr. No. of Question Paper : 2130

Unique Paper Code : 62344330

Name of the Paper : Computer Network And HTML

Name of the Course : B.A. Programme (LOCF)

Semester : III

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. **Section A** is Compulsory.
3. Attempt any **Five** Questions from **Section B**.

SECTION A (Total 25 marks)

1. (a) Define the following terms : (3)
 - (i) Internet
 - (ii) Repeater
 - (iii) Digital Signals
- (b) Which topology is commonly used in a computer lab? Give its two advantages and disadvantages each. (3)

P.T.O.

- (c) Which connecting device is known as the three-layer connecting device. List the functions performed by this device? (3)
- (d) Differentiate between LAN, MAN and WAN. (3)
- (e) Explain simplex data flow. How is it different from half duplex communication. (3)
- (f) What is the purpose of COLSPAN option in HTML? Explain with an example. (2)
- (g) Explain the address depletion problem of IPv4 classful addressing. (2)
- (h) What are the data objects exchanged at the data link layer and the network layer of the TCP/IP protocol suite. (2)
- (i) Explain the purpose of anchor tag? (2)
- (j) What is attenuation? (2)

SECTION B

2. (a) Explain the 4 fundamental characteristics of the data communication system. (4)
- (b) Give the main functions of the Transport Layer in TCP/IP Protocol Suite. Differentiate between connection-oriented and connectionless Protocol Suite. (6)

3. (a) Write HTML code to design the following table : (4)

Row1 Col1	Row 1 Col2	Row1 Col3
Row2 Col1	Row2 Col2	
Row3 Col1	Row3 Col2	Row3 Col3
	Row4 Col2	Row4 Col3

- (b) Design an HTML form for an admission portal :-

ADMISSION PORTAL

Name *

Father's Name *

Address*

Marks Obtained *

Email

Do you belong to Delhi state:
 Yes No

Course in which you are applying: -

BA(Prog) BSc(Prog)
 BA(Hons) His BSc(Hons)

- 4 (a) Explain any two network commands : (4)
- (i) Netstat
- (ii) Ping
- (iii) Tracert