

- (b) Write a program in JavaScript to find out the factorial of a number. 4
6. (a) Explain any *two* network devices. 4
- (b) What are the advantages of the following topologies : 6
- (i) BUS
- (ii) RING
- (iii) STAR
7. Create an examination form in HTML having the following controls : 10
- (i) Text Box
- (ii) Radio buttons
- (iii) Check boxes
- (iv) Reset and Submit buttons.
8. (a) What is alternative text in image mapping ? 2
- (b) What is a marquee ? How is it used in HTML ? 2
- (c) Enter a list of positive numbers terminated by Zero. Find the sum and average of these numbers using JavaScript. 6

This question paper contains 4 printed pages]

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S. No. of Question Paper : 7414

Unique Paper Code : 32345301

HC

Name of the Paper : Computer Networks and Internet Technologies

Name of the Course : Computer Science : Generic Elective for Honours

Semester : III

Duration : 3 Hours

Maximum Marks : 75

(Write your Roll No. on the top immediately on receipt of this question paper.)

Part A is of 25 marks and is compulsory.

Attempt any *five* questions from Part B.

### PART A

- I. (a) Write the code to create the following structure in HTML : 2

$$x^2 + y + z^3 = 2$$

- (b) Explain URL with example. 4

- (c) Differentiate between the following : 4
- (i) Online and offline in terms of Internet.
- (ii) Web page and Home page.
- (d) What are GEO satellites ? 2
- (e) What is hyperlink ? 1
- (f) How to insert picture as a background on a web page ? 2
- (g) Write the HTML tags and attributes to insert and align two pictures one at the left and other at the right of the web page. 4
- (h) Give any *three* attributes of FONT tag. 3
- (i) Differentiate between LAN, WAN and MAN. 3

**PART B**

2. (a) Explain the characteristics of Data communication. 5
- (b) Describe the functions of any *five* layers of OSI model. 5
3. (a) Explain the following HTML tags with examples : 5

<BIG>, <SUP>, <U>, <SUB>, <BLINK>

- (b) Create a table in HTML using the following format. The name of the image file "abc.jpg" 5

Bed	Chair	Table	Sofa
2000	250	200	1000
XYZ Furnishings		Image	
Delhi			

4. (a) Differentiate between the following. 4
- (i) Radio Waves and Microwaves
- (ii) Coaxial Cable and Optical Fiber.
- (b) Explain any *three* applications of Internet. 6
5. (a) Create HTML document using frames in the given format. 6

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