(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 Java-Script.   6

11/12/17.   (E)

This question paper contains **4** printed pages]

Roll No. ☐☐☐☐☐☐☐☐☐☐☐

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

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

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

(b) Explain URL with example.   4

P.T.O.

(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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