

7. (a) What is a hyperlink ? How do you create links to :

1+2+2

(i) a local file, and

(ii) another web page.

(b) What is use of functions in JavaScript ? Explain with an example. 2+3

8. Briefly explain the following : 2×5=10

(i) Browser

(ii) CSS

(iii) JavaScript data types

(iv) Ordered List in HTML

(v) Voice over IP.

This question paper contains 4 printed pages]

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S. No. of Question Paper : 7976

Unique Paper Code : 62344328

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Name of the Paper : Computer Networks and Internet Technologies

Name of the Course : B.A. (Programme) Computer Application

Semester : III

Duration : 3 Hours

Maximum Marks : 75

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

Question No. 1 is compulsory.

Attempt any five questions from Q. Nos. 2 to 8.

Parts of a question must be answered together.

Marks are indicated against each question.

1. (a) Explain the use of heading tag in HTML. 2

(b) Differentiate between the following : 2+2

(i) Repeater and Bridge

(ii) Half Duplex and Full Duplex Link.

(c) Write the code to create the following structure in HTML : 2

$$X^2 + Y + Z^3 = 2$$

- (d) What is role of IP protocol in the TCP/IP reference model ? 2
- (e) What is Mesh Topology ? Give *two* advantages and *two* disadvantages of mesh topology. 3
- (f) What is the job of HTTP protocol ? 3
- (g) What is an event in JavaScript ? Explain "Blur" and "Focus" events. 3
- (h) Write a command to create a link to a webpage in an HTML file. 2
- (i) Describe, how the properties of radio waves change with change in frequency. 2
- (j) Differentiate between CELLPACING and CELLPADDING attribute of the TABLE tag. 2
2. (a) Define URL. What are its different parts ? How is URL different from URI ? 5
- (b) What is UDP protocol ? How is it different from TCP ? 5
3. (a) Explain any 5 uses of computer networks. 5
- (b) List 5 components in data communication system. 5
4. (a) Compare the characteristics of fiber optics and twisted pair. 5
- (b) What is TCP/IP reference model ? Briefly explain all layers of TCP/IP reference model. 5

5. (a) List any *five* characteristics of JavaScript language. 5
- (b) Name the tags used to perform the following functions in an HTML file : 5
- (i) To underline some message
- (ii) To insert a table row
- (iii) To insert an image
- (iv) To highlight some text
- (v) To insert a hyperlink
6. (a) Write an HTML code to generate the following output : 5

1	2	
	3	
4		
5	6	7

- (b) What is use of an HTML Form ? Explain the use and syntax `<INPUT Text>` command with attributes. 2+3