

This question paper contains 4 printed pages]

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S. No. of Question Paper : 2307

Unique Paper Code : 62344328

GC-3

Name of the Paper : Computer Networks and Internet Technologies

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

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 Question Nos. 2 to 8.

Parts of a question must be answered together.

Marks are indicated against each question.

1. (a) Define the following terms : 2+2+2
- (i) Computer Network
 - (ii) Protocol
 - (iii) LAN.
- (b) Differentiate between the following : 2+2
- (i) Hub and Switch
 - (ii) Static and Dynamic Web Page.
- (c) What is the difference between text area and text box object in a form ? 2

P.T.O.

- (d) What is star topology ? Give its *two* advantages and two disadvantages. 3
- (e) What is half duplex data communication ? 2
- (f) Write HTML statement to make “abc.jpg” as background picture of a web page. 2
- (g) What is the purpose of “ROWSPAN” option in an HTML table ? 2
- (h) Write a JavaScript Statement to display a dialog box with the message “The background color will be changed”. 2
- (i) What are unordered lists ? State the different bullet types available with unordered lists in HTML. 2
2. (a) What is World Wide Web (www) ? How do you access a document using www ? 5
- (b) What is TELNET ? What is the difference between local and remote login in TELNET ? 5
3. (a) What is the full form of ISO OSI reference model ? Explain the responsibilities of Session Layer and Data Link Layer in OSI reference model. 5
- (b) What is a twisted pair cable ? Differentiate between Category 3 and Category 5 twisted pair cables. 3+2
4. (a) Write a short note on HTTP, explaining its use and properties. 5
- (b) What are the criteria that affect the network efficiency ? 5
5. (a) What are frames and framesets ? Differentiate between them with the help of an example. 5

- (b) Explain any *three* events in JavaScript ? Which tag helps us identify a JavaScript code in an HTML file ? Can we store JavaScript code as a separate file ? 3+1+1
6. (a) What is the difference between break and continue in JavaScript ? Explain with the help of an example. 5
- (b) Write an html code to generate the following output : 5

Bakery Items :

- (i) Pizza
- (ii) Cakes
- (iii) Cookies
- (iv) Muffins.

Drinks :

- (i) Coke
- (ii) Pepsi
- (iii) Sprite.

7. (a) Give the syntax of FONT command in HTML. 5
- (b) Describe the functions performed the following HTML tags : 5
- (i) <HR>
 - (ii) <DIV>

(iii)

(iv) <P>

(v) <I> text </I>

8. Briefly explain the following :

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(i) Search Engine

(ii) Web Crawling

(iii) WAP

(iv) URL

(v) Increment and decrement operators in JavaScript.