

8.12.18 (E) ✓

This question paper contains 4 printed pages.

Your Roll No.

Sl. No. of Ques. Paper: 1306

I

Unique Paper Code : 62344328

Name of Paper : Computer Networks and Internet Technologies

Name of Course : B.A. (Prog.) : Computer Applications

Semester : III

Duration : 3 hours

Maximum Marks : 75

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

Section A is compulsory.

Attempt any five questions from Section B.

1. (a) Write any *two* applications of computer network in business area. 2
- (b) Write the difference between break and continue in JavaScript. Explain with the help of an example. 4
- (c) Briefly explain Point-to-point and Multipoint connections. 4
- (d) Differentiate between connectionless and connection-oriented services. 3
- (e) What are search engines? List any *two* search engines. 3

P. T. O.

- (f) How can we change the background color on webpage? 2
- (g) Write the *five* main components of data communications. 5
- (h) Give an HTML command to insert an image into a cell of a table. 2

SECTION B

2. (a) Write the steps that occur when we type a web link in the address bar of a web browser. 7
- (b) What are three key elements of protocol? 3
3. (a) What is optical fiber? With the help of diagram describe different parts of an optical fiber. Describe the process of light transmission through optical fiber. 6
- (b) Briefly explain WAP and HTTP protocols. 4
4. (a) Describe the use of following HTML tags:—
- (i) `^{text}`
 - (ii) `<tr>`
 - (iii) ``
 - (iv) `
`
 - (v) `<frame>` 5
- (b) Write HTML code to generate the following output:— 5

S. No.	Name	Marks
1	Sita	40
2	Gita	30
Total		70

5. (a) Describe Physical Layer and Data Link Layer of OSI Model. 6
- (b) Write a program to get the sum of digits of a number. 4
6. (a) Write the HTML code for the following: 3
- ```

 *
 * *
 * * *
 * * * *

```
- (b) What is use of width attributes in table tag? 2
- (c) Write a JavaScript code to find factorial of a positive integer. 5
7. (a) What is Topology? Describe in detail Mesh Topology with diagram. Also write one advantage and one disadvantage of Mesh Topology. 5
- (b) Write a JavaScript program that will iterate from 0 to 15. For each iteration it will check if the current number is odd or even. 5
8. Write short notes on any *five* of the following:

- (a) Telnet



- (b) URL
- (c) Web Browser
- (d) Voice over IP
- (e) Bridge
- (f) LAN.

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