Total number of printed pages–4

53 (IT 604) WBTC

2017

WEB TECHNOLOGY

Paper : IT 604

Full Marks : 100

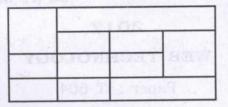Time : Three hours

***The figures in the margin indicate
full marks for the questions.***

*Answer **any five** questions.*

1. *(a)* What do you mean by objectives and
   goals of a Website ? List the objectives
   and goals of a website for an
   educational institute. 7

   (b) List and explain the different steps for
   planning a website. 6

   (c) List the important points to be kept in
   mind while selecting the fonts, graphics
   and colors for a website. 7

2. *(a)* What is hyperlink ? How do you define
   it ? Show the various uses of hyperlink.
   5

Contd.

(b) Write an HTML file to create the following table format. **10**

(c) What is HTML form ? What is its purpose ? Give the meaning of "action" and "method" attribute. **5**

3. *(a)* What do you understand by meta tag ? List the commonly used meta tag with their purpose. **5**

(b) What is frameset ? Show its use in designing a website. **5**

(c) Write an external CSS with the following rules : **10**

    (i) List of items having marker circle

    (ii) Each item of the list having top and right solid border

    (iii) Margin between two items is 1 cm

    (iv) Padding with its top border for each item being 2%.

    Make the use of above CSS in your web page by linking it.

4. (a) Explain the use of text and font properties to make your text having different presentation using CSS. 5

(b) What is Z-index in CSS ? Show its use with example. 5

(c) Write a JavaScript program to read an integer number *N* from user and display all the numbers between 1 and *N* that are divisible by 3. 10

5. (a) What is the difference between local and global variables in JavaScript ? 4

(b) What is DOM ? List the important objects in DOM. 10

(c) What is a function in JavaScript ? Give an example. 6

6. (a) Assume that an HTML form accepts the name and age and the age should be between 10 and 30 years. Write a JSP program to validate the age. If age is not valid give the message. 10

(b) What is JavaScript event ? List the various events and show their handling with an example. 10

7. Write a JSP program to validate the PAN (Permanent Account Number). The PAN is 10 digit number with the following format : 20

   A A A A A 0 0 0 0 A