

Total number of printed pages-4

53 (IT 604) WBTC

2018

**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) Explain why internet today can also be recognized as TCP/IP internet.
- (b) Explain the anatomy of URL.
- (c) What are static and dynamic web pages?
- (d) What do you understand by W3C?
- (e) What is a markup language?

6+4+6+2+2=20

Contd.

2. (a) Give **one** example each for the two classes of tags (HTML) : 4
- (i) Appear in pairs
  - (ii) Appear individuals.
- (b) Show hyperlink definitions that provide link to a pdf file, and a jpeg image. 4
- (c) How can you provide a hyperlink to a section in the same document ? 4
- (d) Write the following in JavaScript : 8
- (i) difference between == and ===
  - (ii) difference between 10+20+"30" and "10"+20+30
3. (a) What is the meaning of cascading in CSS ? 3
- (b) How can you integrate CSS on a web page ? 6
- (c) What are the differences between class selector and ID selector in CSS ? 6
- (d) What does "%" signify when specifying the width/height of a frame ? 3
- (e) What is RWD ? 2

4. (a) What is the main difference between Java and JavaScript programs with respect to their execution? 2
- (b) Give an example of a JavaScript object and a method. 4
- (c) How do you store and retrieve the value of a cookie? 4
- (d) Write a code in JavaScript to find area of a circle. The radius will be input from keyboard and by clicking submit button, the area will be displayed on the screen. 10
5. (a) What is DOM? What is the use of document object? 4
- (b) Write a code in JavaScript to count the number of vowels within a string. 10
- (c) Compare GET and POST methods. 6
6. (a) What is Servlet API? 4

(b) Describe the Servlet and JSP life cycle. 8+8

7. (a) Write a Servlet program to keep track of the number of users visiting a website. 10

(b) Explain different techniques to keep track of sessions in Servlets. 10