

Code : 061502

**B.Tech 5th Semester Special
Exam., 2020**

WEB TECHNOLOGY

Time : 3 hours

Full Marks : 70

Instructions :

- (i) The marks are indicated in the right-hand margin.
- (ii) There are **NINE** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question No. 1 is compulsory.

1. Choose the correct answer of the following
(any seven) : 2×7=14

- (a) Who is making the Web standards?
- (i) Mozilla
 - (ii) Microsoft
 - (iii) The World Wide Web Consortium
 - (iv) NVIDIA

- (b) If you want to align text to the right side of a block element in a cascading style sheet (CSS), then which of the following is the correct property?

- (c) Markup tags tell the Web browser
- (i) how to organize the page
 - (ii) how to display the page
 - (iii) how to display message box on page
 - (iv) None of the above

- (d) Which of the following is the correct syntax to print a page using JavaScript?
- (i) window.print();
 - (ii) browser.print();
 - (iii) navigator.print();
 - (iv) document.print();

- (e) Which of the following is an advantage of putting presentation information in a separate CSS file rather than in HTML itself?
- (i) The content becomes easy to manage
 - (ii) Becomes easy to make site for different devices like mobile by making separate CSS files
 - (iii) CSS files are generally cached and therefore decrease server load and network traffic
 - (iv) All of the above

(4)

(5)

- (i) What does error 404 or Not Found error while accessing a URL mean?
- (i) The server could not find the requested URL.
 - (ii) Requested HTML file is not available
 - (iii) The path to the interpreter of the script is not valid
 - (iv) The requested HTML file does not have sufficient permissions.
- (j) Which of the following keywords can be used in a subclass to call the constructor of superclass?
- (i) Super
 - (ii) This
 - (iii) Extent
 - (iv) Extends
2. (a) Explain about domain name, IP address and WWW. 7
- (b) What are logical and physical tags in HTML? What is CSS? 7
3. (a) Explain the steps involved in creating and executing a Java program. 7
- (b) Explain Java garbage collection mechanism. 7

20AK/1333

(Continued)

4. (a) What is multithreading in Java? Explain the inter-thread communication with the help of suitable example. 7
- (b) Explain different string handling functions and their syntax in Java language. 7
5. Write a program in Java to do the following : 7×2=14
- (a) To swap the two numbers without using the third variable
 - (b) Factorial of a number using recursion
6. (a) What is a constructor in Java? How many types of constructors are there in Java? Explain with examples. 7
- (b) List the applications of object-oriented programming. What is the significance of Java's byte code? 7
7. (a) With suitable code segments, illustrate various uses of 'final' keyword. Discuss about anonymous inner classes. 7
- (b) What are the benefits of inheritance? Explain the various forms of inheritance with suitable code segments. 7

20AK/1333

8. WAP to create a superclass called figure that stores the dimensions of a two-dimensional object. It also defines a method called area () that computes the area of an object. The program derives two subclasses from figure. The first is rectangle and the second is triangle. Each of these subclasses overrides area (), so that it returns the area of a rectangle and a triangle respectively. 14
9. Write short notes on the following : 3½×4=14
- (a) HTML commands
 - (b) DHTML dragging and drooping
 - (c) AWT.
 - (d) JDBC
