PAPER ID-420697

Subject Code: KCS602

Roll No: | | | | | | | | | | | | | |

BTECH
(SEM VI) THEORY EXAMINATION 2021-22
WEB TECHNOLOGY

Time: 3 Hours ***Total Marks: 100***

Note: Attempt all Sections. If you require any missing data, then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2*10 = 20

Qno	Questions	CO
(a)	Explain Thread and how many ways to create thread in java?	CO-1
(b)	Describe life cycle of Applet.	CO-1
(c)	Describe the advantages of CSS.	CO-2
(d)	Create Object in JavaScript.	CO-3
(e)	Differentiate between HTML and XML.	CO-3
(f)	Illustrate ResultSetMetaData Interface in JDBC.	CO-4
(g)	Outline Implicit Objects in JSP.	CO-5
(h)	Identify the Dissimilarities between web server and Application server.	CO-1
(i)	Explain the Directory structure of web application.	CO-5
(j)	Describe the characteristics of JavaBeans.	CO-3

SECTION B

2. Attempt any *three* of the following: 10*3 = 30

Qno	Questions	CO
(a)	Illustrate the features of Java Programming Language.	CO-1
(b)	Create a css rule that makes all the text 2 times larger than the base font of the system. Mention can you integrate css on a web page.	CO-2
(c)	Explain the working of AJAX along with its applications. Mention a suitable example.	CO-3
(d)	Define the advantages of servlet over CGI? Explain with an example.	CO-4
(e)	Describe how to use Beans in JSP? Explain with an example.	CO-5

SECTION C

3. Attempt any *one* part of the following: 10*1 = 10

Qno	Questions	CO
(a)	Outline the differences between procedural and object-oriented programming language.	CO-1
(b)	Illustrate Inheritance. Why multiple inheritance is not possible in java? How to implement multiple inheritance in java?	CO-1

4. Attempt any *one* part of the following: 10 *1 = 10

Qno	Questions	CO
(a)	Create an HTML code to create a web page that contains the user registration form with following details user name, user date of birth, user address, user gender, user email id, user mobile number.	CO-2
(b)	Design a XML DTD for self describing weather report having following details: Date, location, temperature range (Location describes city, state and its country. Country code is unique and not	CO-2

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	left blank. Temperature range describes high and low temp. in Fahrenheit or Celsius)	

5. Attempt any *one* part of the following: 10*1 = 10

Qno	Questions	CO
(a)	Design a JavaScript program to display the current day and time in the following format. Today is : Monday. Current time is : 11 AM : 50 : 58	CO-3
(b)	Create a Java program to find out the IP address of your machine.	CO-3

6. Attempt any *one* part of the following: 10*1 = 10

Qno	Questions	CO
(a)	Define JDBC. Explain the Drivers used in JDBC. Create a JDBC Program for Update and display the record of employees using prepared statement.	CO-4
(b)	Illustrate Java Bean. Explain characteristics of java Bean. Give example.	CO-4

7. Attempt any *one* part of the following: 10*1 = 10

Qno	Questions	CO
(a)	Illustrate why the session is required in web applications. Mention all the session tracking techniques in servlet with their pros and cons. Also give example of each.	CO-5
(b)	Describe Servlet. Explain types of Servlet. Give an example of HttpServlet. Write steps to execute the servlet.	CO-5

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