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

B. TECH
(SEM-V) THEORY EXAMINATION 2020-21
WEB TECHNOLOGY

Time: 3 Hours   *Total Marks: 100*

Note: **1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

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

Q No.	Question	Marks	CO
a.	How is object created in Java?	2	1
b.	Compare between JDK, JRE and JVM?	2	1
c.	Differentiate between HTML and XML?	2	2
d.	Write a program with external style sheet with CSS.	2	2
e.	Compare between Internet and WWW?	2	3
f.	How HTTPS is different from HTTP.	2	3
g.	Difference between JDBC and ODBC?	2	4
h.	What are JAR and Manifest files?	2	4
i.	Compare doGet() and doPost() method?	2	5
j.	Write Difference JSP and Servlet?	2	5

SECTION B

2. **Attempt any *three* of the following:**

a.	How Exception handled in java? Differentiate between throw and throws.	10	1
b.	Explain the HTML tags for Tables, Frames, and Forms with the help of Suitable example.	10	2
c.	What is the need for dynamic webpage? What are the advantages and issue involved in dynamic web page?	10	3
d.	Write down the steps to connect database with web application using JDBC.	10	4
e.	Explain Request Dispatcher. Also Describe different ways to get the object of request dispatcher.	10	5

SECTION C

3. **Attempt any *one* part of the following:**

a.	What do you understand by web technology? Prove the name of protocols which help in web and explain working of that protocol.	10	1
b.	What is Inheritance? List out various type Inheritance with example	10	1

4. **Attempt any *one* part of the following:**

a.	Write the HTML code to design a registration form. (Assume fields are as per your actual registration form in B.Tech.)	10	2
b.	Describe the Document type Definition (DTD) in XML. What is difference between Internal and External DTD.	10	2

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5. **Attempt any *one* part of the following:**

a.	Compare Java and JavaScript? Write a JavaScript program to find largest among five numbers.	10	3
b.	Explain the concept of URL and IP address. How is an IP Address assigned to host?	10	3

6. **Attempt any *one* part of the following:**

a.	Describe JDBC application architecture. List out the various type of JDBC drivers.	10	4
b.	Discuss EJB and its architecture. Differentiate Stateful and Stateless EJB.	10	4

7. **Attempt any *one* part of the following:**

a.	Explain Servlets with its Life Cycle. How its lifecycle is different from the life cycle of JSP? Explain with an example	10	5
b.	JSP is an extension of Servlets not replacement. Justify? What problems of Servlets technology can JSP is supposed to solve?	10	5