

**B.TECH.**  
**(SEM VI) THEORY EXAMINATION 2018-19**  
**WEB TECHNOLOGIES**

*Time: 3 Hours**Total Marks: 70*

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

**SECTION A**

**1. Attempt all questions in brief. 2 x 7 = 14**

- (a) Explain the difference between Portal and Website. (Unit-1)
- (b) Packages and Interfaces both acts as a container, How? (Unit-1)
- (c) How XML is different from HTML? (Unit-2)
- (d) What is the difference between <div> and <span> tag in HTML? (Unit-2)
- (e) We want to submit the data on page itself, what can be done? (Unit- 4)
- (f) What is the role of CGIs in web design? (Unit-3)
- (g) Differentiate the terms SendRquest() from Hyperlink. (Unit-5)

**SECTION B**

**2. Attempt any three of the following: 7 x 3 = 21**

- (a) Why early planning is useful to develop an effective website? Give proper example in favor of your reason. ( Unit-1)
- (b) Describe the role and importance of CSS in web designing. Also Differentiate Class and Id in CSS. (Unit-2)
- (c) What do you mean by Session Bean? Explain its types using suitable example. (Unit- 4)
- (d) Explain Request Dispatcher. Also Describe different ways to get the object of request dispatcher. (Unit-5)
- (e) Explain the role of Java Script to develop a web page. Write a java script function to check a textbox is either empty or not. (Unit-3)

**SECTION C**

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

- (a) Describe the objective of any Website. Which type of essential skills required being a member of web project team? (Unit-1)
- (b) Explain the difference between JSP includes directive elements & JSP includes action elements. (Unit-5)

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

- (a) What is Java Bean exactly? Write down the steps to create Java Bean. What is the role of introspection in Java Bean? (Unit-4)
- (b) What do you mean by Database Drivers, explain each type? Also explain the steps to get any value into database. (Unit-4)

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

- (a) “Document Type Definition (DTD) in XML is necessary”, justify the statement with suitable example. Under which conditions which DTD is more preferable? (Unit-2)
- (b) Using a frameset, create an HTML document like following:-

| Header.html |             |
|-------------|-------------|
| Menu.html   | Output.html |

Also host it as a web page on any server. (Unit-2)

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

- (a) JSP is an extension of Servlets not replacement, Justify? What problems of Servlets technology can JSP is suppose to solve? (Unit-5)
- (b) How we deploy the Servlets on Tomcat Web Container? Also explain how we change the default port number of Tomcat Container? (Unit-5)

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

- (a) Can we do session handling in HTML Page with the help of JavaScript? If yes then how or If not then why? (Unit-3)
- (b) Explain the following terms in Brief;-
- (i) Scket Programming
  - (ii) TCP/IP Server