



**B.Tech V Semester Regular/Supplementary Examinations, December 2021**  
**WEB TECHNOLOGIES**  
(Computer Science and Engineering)

**Maximum Marks: 70**

**Date:10.02.2022 Duration: 3 hours**

- Note:
1. This question paper contains two parts A and B.
  2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
  3. Part B consists of 5 Units. Answer any one full question from each unit.
  4. Each question carries 10 marks and may have a, b, c, d as sub questions.

**Part-A**

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Write PHP program to display the series 1, 3, 5, 7..... upto n.
- 2 Write PHP program to display "nice weekend!", if the current day is Sunday, Otherwise, it will output "Have a nice day!":
- 3 Define XML parser.
- 4 What is DTD in XML.
- 5 What is the purpose of init() method in SERVLET?
- 6 Write any two differences of GET and POST method with respect to Servlet?
- 7 List the Directives in JSP.
- 8 Write any two uses of JavaBeans?
- 9 Write a JavaScript program to find factorial of a given number.
- 10 What are the various control structures in JavaScript?

**Part-B**

Answer All the following questions.

(5X10M=50Marks)

- 11 Create a HTML form for employee registration. Create a Table in MySQL for storing the obtained employee data. Use DB connection with PHP to store the registered employee details in it. [10]

OR

- 12 What is an array? Implement array by displaying array value using for loop and count of it using Indexed array and associative array of PHP. [10]

- 13 Create a database for Movies with attributes such as Movie id, Movie name, Genre and Director, Actors etc using XML schema. Design an Ajax Script to implement event - driven program to add new movies as dynamic content on the fly using XMLDOM. [10]

OR

- 14 Create xml program for ticket reservation with passenger name, age, from, to, date. Transform the details of 4 passengers using XSLT. [10]

15 Create a servlet to display welcome message in a table with name, register number and mobile number on successful login. [10]

OR

16 Create a prototype for a Pharmacy project which should have detailed information of how project works with illustration. Create 'createservlet.java' and 'registeruser.html' as sample to explain the project. [10]

17 Design a HTML form by embedding JSP code for login form for a job portal website with appropriate JavaBean class. [10]

OR

18 (a) Explain the scripting elements providing the ability to insert java code inside the JSP. [5]  
(b) Explain the procedure of JSP database connectivity using MySQL. [5]

19 Design a Library user sign-up form with JavaScript based validation of element values. [10]

OR

20 Explain about synchronous and asynchronous AJAX in JavaScript with suitable example. [10]