



R18 Regulation

Subject code:2P5EE

# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

## B.Tech V Semester Supplementary Examinations, December 2024

### Web Technology (CSE)

Maximum Marks: 70

Date:08.01.2025

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 which carries 10M.
  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) |                                                                                        | CO | Bloom Tx |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------|----|----------|
| 1                                                               | Write the differences between GET and POST methods                                     | 1  | L1       |
| 2                                                               | Differentiate between the 'BITWISE AND' operator and the 'LOGICAL AND' operator in PHP | 1  | L1       |
| 3                                                               | With suitable example explain the creation of namespaces in XML                        | 2  | L1       |
| 4                                                               | What is the Document Type Definition?                                                  | 2  | L1       |
| 5                                                               | Give a note of servlet API                                                             | 3  | L1       |
| 6                                                               | What is servlet?                                                                       | 3  | L1       |
| 7                                                               | How are cookies used for session tracking in JSP?                                      | 4  | L1       |
| 8                                                               | Is it possible for one JSP to extend another java class? If yes how?                   | 4  | L1       |
| 9                                                               | What is the difference between GET and POST method in Java Script?                     | 5  | L1       |
| 10                                                              | What is an 'event'? How are events handled in JavaScript?                              | 5  | L1       |

#### Part-B

| Answer All the following questions. (5X10M=50Marks) |                                                                                                                                                                                       | CO | Bloom Tx |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------|
| 11                                                  | Explain variables and operators with example in PHP. [10M]                                                                                                                            | 1  | L2       |
| OR                                                  |                                                                                                                                                                                       |    |          |
| 12                                                  | A) List the statements that are used to connect PHP with MySQL. [5M]<br>B) Explain PHP form processing with an example. [5M]                                                          | 1  | L2       |
| 13                                                  | Show with an example how to use a DTD in an XML document externally. [10M]                                                                                                            | 2  | L2       |
| OR                                                  |                                                                                                                                                                                       |    |          |
| 14                                                  | Describe the procedure for validating the XML Documents. [10M]                                                                                                                        | 2  | L2       |
| 15                                                  | A) Write note on Common Gateway Interface (CGI). [5M]<br>B) Describe the life cycle of a java servlet and write a simple servlet that reads three parameters from the form data. [5M] | 3  | L2       |
| OR                                                  |                                                                                                                                                                                       |    |          |
| 16                                                  | A) What is JDBC? What are various drivers of JDBC? [5M]<br>B) Explain about the database connectivity using JDBC. [5M]                                                                | 3  | L2       |

|    |                                                                                                                                      |   |    |
|----|--------------------------------------------------------------------------------------------------------------------------------------|---|----|
| 17 | Explain in detail of how to use Java Beans in JSP pages with suitable example. [10M]                                                 | 4 | L2 |
|    | OR                                                                                                                                   |   |    |
| 18 | How to use Cookies and session for session tracking? Explain with an example program. [10M]                                          | 4 | L2 |
| 19 | A) Explain internal and external JavaScript with an example. [5M]<br>B) Discuss about Advantages and limitations of JavaScript. [5M] | 5 | L2 |
|    | OR                                                                                                                                   |   |    |
| 20 | A) Discuss about JavaScript variables scope with an example. [5M]<br>B) Write a JavaScript program for arithmetic operations. [5M]   | 5 | L2 |