



Regulation R18 † Subject code: 2P5EE
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech V Semester Supplementary Examinations, January 2023
Web Technologies

(Computer Science and Engineering)

Maximum Marks: 70

23/01/23

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. Part-B 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 the differences between GET and POST methods
- 2 Differentiate between the 'BITWISE AND' operator and the 'LOGICAL AND' operator in PHP
- 3 With suitable example explain the creation of namespaces in XML
- 4 What are the advantages and disadvantages of External DTDs
- 5 When a Servlet accepts a call from a client, it receives two objects. What are they?
- 6 Write about servlet API.
- 7 How are cookies used for session tracking in JSP?
- 8 Is it possible for one JSP to extend another java class? If yes how?
- 9 How do you convert numbers to strings in JavaScript.
- 10 Write any 3 properties of the window object

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 A. Discuss about various functions used in PHP with examples. [5]
B. Write a PHP program for a simple calculator. [5]
OR
- 12 A. What are basic HTML tags how we use them? [5]
B. How you use Text Field, Radio Button and Checkbox in Form? Explain.[5]
- 13 Explain in detail how XML data is parsed using DOM with an example. [10]

OR

- 14 Consider the following DTD.
<!ELEMENT course (name, curriculum, teacher+, student+)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT curriculum (#PCDATA)>
<!ELEMENT teacher (#PCDATA)>
<!ELEMENT student (#PCDATA)>
Write a sample XML documents that is valid according to this DTD. [10]

15 What is JDBC? How to connecting to a database using JDBC. [10]

OR

16 What is Servlet? Explain about Servlet API. [10]

17 Justify the differences between servlets and JSP. [10]

OR

18 How does JSP page converts to servlet. Give an example. [10]

19 Define DOM and Explain JavaScript HTML Object Hierarchy. [10]

OR

20 Explain Form validation types with a suitable example. [10]