H Roll No. ....

TBC–501

B. C. A. (FIFTH SEMESTER)

MID SEMESTER EXAMINATION, 2022

WEB DEVELOPMENT

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each question carries 10 marks.

1. (a) Explain Servlet life cycle. Differentiate between doget and dopost methods. (CO1)

OR

(b) Differentiate between application server and web server. Write the steps to create servlet application. (CO1)

2. (a) Write a short note on CGI. Explain the advantages of servlet over CGI. (CO1)

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OR

(b) Differentiate between requestDispatcher and sendRedirect with an example. (CO1)

3. (a) Write short notes on the following : (CO1)

    (i) Cookies

    (ii) HttpServlet

OR

(b) In the context of JSP' explain the following :   (CO1)

    (i) Implicit objects

    (ii) Directive elements

4. (a) Create a dynamic web project having index.html page. Create a form in index.html page with one text field and one submit button. Now create a servlet class as Factorial.java and define doGet( ) method. Fetch the value from text fields and calculate the factorial and display the result in Pactorial class.   (CO2)

OR

(b) Explain the advantages of JSP over Servlets. Write the steps to create and run JSP pages.   (CO2)

5. (a) Explain JSP life cycle. Also explain the scripting element of JSP.   (CO2)

OR

(b) Explain JSP translation process. Write a short note on JSP action tags.   (CO2)