

Code: IT5T4

**III B.Tech - I Semester – Regular/Supplementary Examinations
October 2019**

**WEB TECHNOLOGIES
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11x 2 = 22 M

1.

- a) Explain tag in HTML with an example.
- b) Mention any two ways of how CSS is included in HTML document with syntax.
- c) What are the text formatting CSS properties?
- d) Define Document Object Model (DOM).
- e) Differentiate XML with HTML.
- f) Explain MVC Architecture components.
- g) What is JDBC ? List out JDBC Drivers.
- h) What is meant by HTTP?
- i) List out any five HttpServletRequest methods.
- j) List the phases of JSP life cycle.
- k) Explain expression tag in JSP.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16= 48 M

2. a) Design a “feedback form” with text box, text area, radio buttons, check boxes, drop down list controls. 8 M
- b) Write an external cascading style sheet to define the font, font color, background and foreground colors and also apply this CSS to design a web page with these properties. 8 M
3. a) Define an XML schema. Show how an XML schema can be created? 8 M
- b) List and briefly explain any 4 classes in Java Beans API. 8 M
4. a) Assume that a database has a table Employee with two columns Employee ID and Name. Write a JDBC program that can query and print all the entries in the table Employee. 8 M
- b) Illustrate the lifecycle of a servlet with neat diagram. 8 M

5. a) Demonstrate the use of RequestDispatcher interface with an example. 8 M
- b) What are doGet() and doPost() methods? Develop and explain a servlet that handles HTTP POST request. 8 M
6. a) Classify JSP implicit objects and explain them. 8 M
- b) What is AJAX? When can we use AJAX? Explain with an example. 8 M