

Code: IT5T4

**III B.Tech - I Semester – Regular/Supplementary Examinations
October 2017**

**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) What is HTML? Create web pages which consists of “title, body, h1, h2 and p1, p2” tags.
- b) What is a web browser? Name three web browsers.
- c) How to create Object in JavaScript?
- d) How to represent the XML Document and give example.
- e) What is the purpose of DTD in structure of an XML?
- f) What is bean persistence property?
- g) What is the purpose of MVC?
- h) Discuss difference between GET and POST method.
- i) How to Initiating a HTTP GET Request by the client to the server?
- j) What is Java Server Pages Technology?
- k) Can we use the exception implicit object in any JSP page?

PART – B

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

3 x 16 = 48 M

- 2.a) Explain concept of Cascading and inheritance Concepts in CSS? 8 M
- b) Write java scripts for validating username, password, phone number and email address. 8 M
- 3.a) Write JavaBeans Properties and how to access JavaBeans properties. 8 M
- b) What is XHTML according to W3C? What is array in JavaScript and write simple JavaScript program to create and access the elements of the array. 8 M
- 4.a) How to communicate with database using JDBC APIs? 8 M
- b) Draw and explain the web architecture model for Servlet programming. 8 M
5. Discuss how you handle HTTP Requests and HTTP responses by using Java servlets. 16 M
6. Compare and contrast Java servlets and JSP and write short notes on JSTL. 16 M