

Code: CS6T1

III B.Tech-II Semester–Regular/Supplementary Examinations–March 2018

**ADVANCED JAVA AND WEB TECHNOLOGIES
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

PART – A

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

11x 2 = 22 M

1. a) Write briefly about the types of lists.
- b) List the form elements in HTML.
- c) What are the three levels of CSS.
- d) What is java script? Is Java and Java script the same?
- e) How to embed java script in HTML.
- f) What are the advantages of XML?
- g) What is Bean Property and write the simple properties of Java Beans?
- h) What is JDBC? Explain the JDBC with its architecture.
- i) Write briefly about MVC Architecture.
- j) Write about HTTP Servlet Request and Response?
- k) Describe the life cycle of JSP with a simple architecture.

PART – B

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

3 x 16 = 48 M

2. a) Write a simple HTML program showing all the form elements. 6 M
- b) What is a selector? Explain the types of selectors in CSS. 10 M
3. a) What is an event? Explain briefly about the methods used for event handling with example. 10 M
- b) Write a java script program to create registration page and also validate phone number. 6 M
4. a) Create a simple XML program showing the validation using DTD. 8 M
- b) What is meant by constrained property? Explain with an example. 8 M
5. a) What is JDBC driver? Explain each with a simple architecture. 10 M
- b) Explain the steps involved in the execution of a Servlet Program in detail. 6 M

6. a) Write about the `HttpServletRequest` Request & `HttpServletResponse` classes and associated methods in it. 10 M
- b) List out the differences between Servlets and JSP programming. 6 M