

Code No: RT41195

R13

Set No. 1

IV B.Tech I Semester Supplementary Examinations, February/March - 2018

WEB DESIGN

(Electronics and Computer Engineering)

Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any THREE questions from Part-B

PART-A (22 Marks)

1. a) Can an image be included in the web page? Explain with an example. [4]
- b) Differentiate between Container and Component. [4]
- c) What is the use of “manifest” file in Java Beans? [3]
- d) What is a servlet context? [4]
- e) Differentiate between `<jsp:include page=...>` and `<%@include file=...>` [4]
- f) What is two phase commit in databases? [3]

PART-B (3x16 = 48 Marks)

2. a) Write a short note on the following form elements and attributes with suitable examples. [8]
 - i) method attribute
 - ii) action attribute
 - iii) checkbox element
 - iv) select element
- b) Write a JavaScript that takes three integers from the user and displays the sum, average, product, smallest and largest of the numbers in an alert dialog. [8]
3. a) Explain the Border Layout in java.awt with an example. [8]
- b) Write a Java Program to illustrate the concept of JScrollPane in Java Swing. [8]
4. a) Explain the directory structure of web applications defined in J2EE. [8]
- b) “Long-term persistence is a model that enables beans to be saved in XML format” – Explain with a programming example. [8]
5. a) Explain in detail “javax.servlet” package. [8]
- b) With a neat diagram explain the life cycle of Servlet. Also explain each method involved in the life cycle. [8]
6. a) What is MVC architecture? Explain the role of JSP in MVC architecture. [8]
- b) What is JSTL? Explain the advantages and various tags in JSTL. [8]
7. a) Explain various steps involved in creating a JDBC Connection. [8]
- b) Elaborate on different types of JDBC statements. Also give an example program on prepared Statement. [8]