INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)

M.Tech I Semester End Examinations (Supplementary) - July, 2017
Regulation: IARE–R16
ADVANCED WEB TECHNOLOGIES
(Computer Science and Engineering)

Time: 3 Hours　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Max Marks: 70**

Answer ONE Question from each Unit
All Questions Carry Equal Marks
All parts of the question must be answered in one place only

UNIT – I

1. (a) Consider the following Table 1. Write HTML code for creating this table and change the table's border to 5 pixels, and make it red.　　　　　　　　　　　　**[7M]**

Table 1

First Name	Last Name	Points
Jill	Smith	50
Eve	Jackson	94

　　(b) Explain briefly Text Alignment and Text Decoration in CSS with suitable examples.　**[7M]**

2. (a) Write a Java Script program to find the most frequent item of an array.　　　**[7M]**
　　　Sample array : var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];
　　　Sample Output : a (5 times)
　　(b) Discuss briefly the following string manipulation methods of Java Script : slice() and split().**[7M]**

UNIT – II

3. (a) Write a HTML source code to define a table that contains two labels and two text fields. One of the labels is Employee and the other is Phone. There must also be a submit button. Write a Java servlet program that allow you to read the names and values of parameters.　**[9M]**
　　(b) What is MIME type?　　　　　　　　　　　　　　　　　　　　　　　　**[5M]**

4. (a) Define an XML document to represent two books contained in a bookstore. Each book element contains fields that describe the book. Write code snippet to parse the XML document using DOM.　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**[10M]**
　　(b) Explain briefly XML HTTP Request object.　　　　　　　　　　　　　　　**[4M]**

UNIT – III

5. (a) What is URL Rewriting? Illustrate with an example.　　　　　　　　　　　**[9M]**
　　(b) What is JSP action element? Explain in detail.　　　　　　　　　　　　　**[5M]**

6. (a) Explain the concept of useBean tag with a suitable example. **[6M]**

   (b) Assume that you have Employee table in EMP database (MySQL) with fields empid, first name, last name and age. Write a JSP script to execute SQL SELECT statement. **[8M]**

UNIT – IV

7. (a) Discuss about Model View Controller? Explain with a neat diagram. **[6M]**

   (b) What are Struct tag libraries? Explain briefly HTML Tags and Logic Tags with an example for each. **[8M]**

8. (a) Discuss in detail about Struct Internationalization? **[6M]**

   (b) Bring out the significance of ForwardAction with a suitable example. **[8M]**

UNIT – V

9. (a) "An SOA promotes modularity because services are loosely coupled. This modularity has positive implications for the development of composite applications" – Comment **[5M]**

   (b) What are SOAP Intermediaries and SOAP Actors? With a neat diagram illustrate SOAP message exchange model with intermediaries. **[9M]**

10. (a) Illustrate the Web Services Life Cycle with a neat diagram . **[9M]**

    (b) Discuss the roles and relationships between Service Provider, Broker and Requestor. **[5M]**

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