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INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

B.Tech IV Semester End Examinations (Regular) - May, 2018

Regulation: IARE – R16

WEB TECHNOLOGIES

Time: 3 Hours

(CSE)

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

- (a) Define Cascading style sheets and list the different ways of inserting CSS in HTML [7M]

(b) Define <div> tag to style the heading of the web site with font as "Calibri", size as 24 and define the colour as 'blue'. [7M]
- (a) Mention the HTML formatting elements and write a program by using all the elements. [7M]

(b) Write a javascript code to print the n^{th} Fibonacci number using functions. [7M]

UNIT – II

- (a) List various types of built-in objects in java script and explain their use. [7M]

(b) What are frames? How can we divide a web page into horizontal and vertical frames. [7M]
- (a) Create HTML for railway reservation system. Consider list of places stored in XML, from which user can select the place as source and destination. Perform the necessary validations and generate the ticket for the valid date. (use XML tags and java script). [7M]

(b) Explain the following with examples [7M]

 - Regular expression
 - Exception handling

UNIT – III

- (a) Define a Servlet. What are the problems with the usage of Servlets? [7M]

(b) How Java Server Page allows sharing of data objects among the pages? [7M]
- (a) Explain the life cycle of a Servlet. Create a simple Servlet program in java to verify the given user name and password to enter into to their login. [7M]

(b) Define a cookie. Write a Java Server Page code to create and read cookie named user id that stores the value JB0007. [7M]

UNIT – IV

- (a) Write a PHP program to find prime numbers between 1 to 100. [7M]

(b) Explain the usage of multi dimensional arrays in PHP by a program. [7M]

8. (a) Explain the different sort functions and write arrays in PHP. [7M]
(b) Create a registration form (UserName, FirstName, LastName, Password, ConfirmPassword, E- mail Id, Gender) in HTML and validate them using PHP. [7M]

UNIT – V

9. (a) Explain how web page performance is improved by using AJAX. [7M]
(b) How to retrieve data from XML file using AJAX. [7M]
10. (a) What is AJAX? With a simple program explain the working of AJAX. [7M]
(b) Validate login details using PHP based on database connectivity. [7M]

