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Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



VI SEMESTER B.TECH (COMPUTER SCIENCE AND ENGINEERING)

MAKEUP EXAMINATION, JULY 2016

SUBJECT: WEB PROGRAMMING [CSE 338] – OPEN ELECTIVE

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ANY FIVE FULL** questions.
- ❖ Missing data, if any, may be suitably assumed.

- 1A List any four rules of XHTML in comparison with HTML. What do you mean by DTD? Explain the DTD snippet for <P> element. 5M
- 1B What are the elements allowed within the head tag? Explain any three tags with an example. 3M
- 1C Write a HTML5 canvas program to embed the text “Canvas is great” to an image file. 2M
- 2A Describe six different sorting techniques in PHP. 3M
- 2B Write a PHP script to change background color of the browser using switch statement according to day of the week. 2M
- 2C Write a PHP calculator class, which will accept two values **x, y** as data members, and **add, subtract, multiply** as member functions. Display the result of all three member functions in main function. 5M
- 3A How to change the value of an element’s attribute? Explain with an example. 3M
- 3B Write the jQuery program to display list of 4 colleges when you place the mouse on the text “College List”. When you take the mouse out, the list should be invisible. 4M
- 3C List and explain any 6 characteristics used to filter the selections provided by jQuery. 3M
- 4A Explain the different type of scopes of variables in PHP. 3M
- 4B Write a JavaScript program to read a number from user, store its factors into the array and display that array. 2M
- 4C Write the prototype for the following functions in terms of PHP –
- a) Function creates a class alias, allowing the class to be referred to by more than one name.
 - b) Function returns the name of the class to which object belongs and returns false if object is not an object.
 - c) Function returns 1, if a method named method_name is available to object.
 - d) Function returns the name of the parent of the class to which object belongs.
 - e) Function returns true if object belongs to a class of type class_name. 5M

- a) Array_merge_recursive
 - b) Array_slice
 - c) Array_combine 3M
- 5B Why functions are required in PHP? Explain the difference between passing arguments by reference and passing arguments by value in functions with example. 3M
- 5C Write a PHP script to accept the details of Employee (ENAME, Designation, Department Gender, Salary) and display it on next page. 4M
- 6A What are the shortcuts for performing a math on a variable in terms of JavaScript? 3M
- 6B Explain in terms of JavaScript:
- a) Conditional statements
 - b) Nesting conditional statements
 - c) Looping statements. 5M
- 6C What are the rules to be followed to declare the variables in java script? 2M