

Printed Pages: 2

Sub Code: NMCA 412

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**MCA**  
**(SEM. IV) THEORY EXAMINATION 2017-18**  
**WEB TECHNOLOGY**

**Time: 3 Hours****Total Marks: 100****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt *all* questions in brief. **2 x 10 = 20****
- a. Differentiate Static web pages and Dynamic web pages.
  - b. What are the various styles in CSS?
  - c. How is array creation done in JavaScript? Write an example.
  - d. List the rules used for writing XML.
  - e. What is ASP.NET?
  - f. Explain IIS (Internet information Server).
  - g. How can we create a database using PHP and MySQL?
  - h. Explain main characteristics of Web Team?
  - i. Explain protocols governing web?
  - j. Why use filters in PHP?

**SECTION B**

- 2. Attempt any *three* of the following: **10 x 3 = 30****
- a. Trace the evolution of web technology. Describe the protocols governing the web.
  - b. What are the different steps involved in making a website? Describe each step in brief.
  - c. List the characteristics of HTML that make it ideal for word wide web. Which HTML element can you use to create a visual grid?
  - d. Explain the various event handlers in java script. Give an example of each. Write a java script program to develop the arithmetic calculator.
  - e. How you can connect MySQL database with the help of PHP? Give one example.

## SECTION C

3. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) Write Asp program to connect Oracle with any application.
  - (b) What are the methods that are used with session objects? Explain.
4. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) Differentiate the use of CLASS and ID parameter in creating styles in the Web pages.
  - (b) Justify the need for client side scripting language. Name any three scripting languages
5. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) Design a sample web page for any university, which should include a form, accepts user entry and hence displays certain information in form of table.
  - (b) What is CSS? In how many ways it can be applied to a HTML document? How it is used (i) To set an image as back ground (ii) To set a color of the text (iii) To set font size (iv) To set the border. Chose suitable examples for illustration.
6. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) What is the role of MVC 2 in JSP Explain with example?
  - (b) Discuss various types of data types in MYSQL. Write a JSP code to insert and update retrieve data in MYSQL database.
7. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) Write a script to count the number characters entered by a user in a text box and limit it to a particular number.
  - (b) Write Short Note on:
    - I. HTTP
    - II. FTP
    - III. DNS
    - IV. TFTP
    - V. POP