Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **17MT2007** | **Duration :** | **3hrs** |
| **Sub. Name :** | **WEB DESIGNING** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Write the usage of favicons. | CO1 | 2 |
| b. | Build an HTML5 document that uses an image as an e-mail link. Use attribute alt to provide a description of the image and link. | CO3 | 4 |
| c. | Develop a website registration form to obtain a user’s first name, last name and e-mail address. In addition, include an optional survey question that asks the user’s year in college and placesit in a details element that the user can expand to see the question. | CO3 | 6 |
| d. | Inspect in detail on the following in HTML5: Headings, Linking, Images, Lists and Tables. | CO4 | 8 |
| **(OR)** | | | | |
| 2. | a. | Discover the usage of class and id selectors in CSS. | CO4 | 4 |
| b. | Construct an HTML5 document that contains links to your five favourite shopping websites (ex. Amazon, Flipkart, etc.). | CO3 | 4 |
| c. | Create an HTML5 document titled “How to Get Good Grades”. Use <meta> tags to include a series of keywords to describe it. | CO3 | 6 |
| d. | Solve a program for drawing a circle and line usingHTML5 canvas. | CO3 | 6 |
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| 3. | a. | Examine the steps required to import audio and video using HTML5 in a webpage with necessary programs and output diagrams. | CO4 | 10 |
| b. | Outline on HTML Scalable Vector Graphics (SVG). | CO2 | 6 |
| c. | Create an autocomplete input element with an associated datalist that contains the days of the week. | CO6 | 4 |
| **(OR)** | | | | |
| 4. | a. | Theme a CSS stylesheet with the following properties:  Linear Gradient: Create a div element with 500px dimensions and a diagonal linear gradient using seven rainbow colors.  Radial Gradient: Create a div element with a width and height of 500px. Create a radial gradient with three colors. Start the gradient in the bottom-left corner with the colors changing as they move along the gradient line to the right.  Transformation with hover: Create a transformation program that includes four images. When the user hovers over an image, the size of the image should increase by 20%.  Reflection: Create a reflection of an image 20px to the right of the original image.  Media Queries: Create your own multicolumn web page and use media queries to adjust the formatting to use one column for mobile devices that have a maximum width of 480px. | CO4 | 16 |
| b. | List out the three components of the CSS box model. | CO1 | 4 |
| 5. | a. | Explain in detail on the following: typography, buttons, pagination, panels, dropdowns, carousel, popover and tooltip in Bootstrap with syntax and code examples. Create a responsive web page for a net banking application of a reputed bank using bootstrap. | CO2 | 16 |
| b. | Label the components in a bootstrap package. | CO1 | 4 |
| **(OR)** | | | | |
| 6. | a. | Interpret in detail about JavaScript Arrays with detailed examples. | CO5 | 10 |
| b. | Summarize on Javascript expressions and control statements. | CO2 | 6 |
| c. | Experiment with a script that simulates coin tossing. Let the program toss the coin each time the userclicks the Toss button. Count the number of times each side of the coin appears. Display the results. The program should call a separate function flip that takes no arguments and returns false for tails and true for heads. | CO3 | 4 |
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| 7. | a. | Dissect on how inputs from a web form are retrieved in PHP. | CO4 | 6 |
| b. | Build PHP regular expression pattern that matches a string that satisfies the following description: The string must begin with the (uppercase) letter A. Any three alphanumeric charactersmust follow. After these, the letter B (uppercase or lowercase) must be repeated one or more times,and the string must end with two digits. | CO3 | 2 |
| c. | Define variables and datatypes in PHP. | CO1 | 4 |
| d. | Show why PHP is a loosely typed language. | CO1 | 4 |
| e. | Explain JSON with an example. | CO2 | 4 |
| **(OR)** | | | | |
| 8. | a. | Demonstrate the steps involved in installing Apache, PHP, and MySQL under Windows or Macintosh. Build a PHP program for building an online shopping cart. | CO2,  CO3 | 15 |
| b. | Distinguishthe GET and POST method in PHP. | CO4 | 2 |
| c. | Illustrate ASP VB Functions. | CO2 | 3 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Create a Music Database for your audio studio using SQL. Illustrate the following SQL statements: CREATE, SELECT, INSERT. DELETE, UPDATE and JOIN with live examples. | CO6 | 16 |
| b. | Outline on the primary key, foreign key and logical key in SQL. | CO2 | 4 |