

Reg.No.



Manipal Institute of Technology

(Constituent Institute of Manipal University)



SECOND SEMESTER MCA END SEMESTER EXAMINATIONS – MAY 2015

SUBJECT: WEB PROGRAMMING- (MCA- 4203)

12/05/2014

TIME: 3 HOURS

MAX.MARKS: 50

Instructions to Candidates:

- Answer any 5 FULL questions.
- All questions carry equal marks.
- Missing data may be suitably assumed.

1A. Write a HTML page to apply the following.

- Divide the application page into two horizontal logical sections.
- The first horizontal section should display five image icons without border.
- When the image icons are clicked, it should be displayed on the second section with 700 * 500 pixels dimension. Meanwhile, change the border color of the clicked image icon to yellow.

Define CSS components in a separate document and link it externally to HTML page.

1B. Discuss the advantage and disadvantages of client-side and server-side scripting.

1C. What is query string in a URL? Write with an example program script.

[5+3+2]

2A. Explain position and z-index style attributes with example.

2B. Write a JavaScript to display a digital clock in an HTML page using HTML DOM.

2C. What is CSS ID based selector?

[5+3+2]

3A. Write an HTML document to get user-name, password and email input from the user and validate it for the following condition.

- User-name should be a uppercase alphabet
- Password should be seven alphanumeric characters
- Local part of the email id should be alphanumeric and may include - or \$ followed by @manipal followed by .edu or .org

3B. Explain the CSS properties.

- font-size
- border-style
- padding

3C. Bring out the difference between substring and slice string methods in JavaScript.

[5+3+2]

4A. Create an XML document which contains Student details such as student code, student name, date of birth, gender(M/F) and address. Display the XML based student data in an HTML web page as two unordered lists as per gender.

4B. What is the difference between valid and well-formed XML documents?

4C. Which is the only header which is mandatory in HTTP 1.1? What does the mandatory header indicate?

[5+3+2]

5A. List the various methods available in HTTP 1.1 and explain their usage.

5B. Differentiate between safe and idempotent methods in HTTP.

5C. Differentiate between variables of session scope and request scope in PHP.

[5+3+2]

6A. Write a HTML form which inputs an e-mail message. It should record "to" & "from" email addresses, the subject of the message and the message itself in a text area. Write a PHP script "email.php" to email the message to the recipient mentioned in the "to" field.

6B. What is a super global? How do super globals help to implement cookies?

6C. What is the "htmlspecialchars()" function from PHP used for?

[5+3+2]