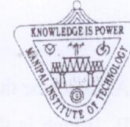


Reg.No.



**Manipal Institute of Technology**  
(Constituent Institute of Manipal University)



**FOURTH SEMESTER MCA(Lateral) END SEMESTER EXAMINATIONS – MAY 2014**  
**SUBJECT: WEB PROGRAMMING- (MCA 586)**

10/05/2014

**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. Explain the working of a dynamic web application with a neat diagram.
- 1B. Which is the HTML meta tag which can automatically reload the web page every X seconds? Give an example.
- 1C. What is the need for virtual hosting in Web Servers?  
[ 5+3+2 ]
- 2A. Create an unordered list of hyperlinks. Use CSS to remove the list item marker and display the list of hyperlinks like a horizontal menu bar.
- 2B. Write a HTML web page to create an image map with two clickable regions, a polygon and a square.
- 2C. What is an anonymous class in CSS? How can it be used to provide style?  
[5+3+2]
- 3A. Write an HTML page which accepts the user's name, password, address, mobile number and credit card number. Write a javascript to validate the user information as per the following rules (only valid information to be submitted to 'user.php' page):
- (i) name – Alphabetic, Mandatory
  - (ii) Password- Should start with a digit followed by any alphabets, Mandatory
  - (iii) credit card number – Numeric, 16 digits
- 3B. Differentiate between valid and well-formed XML documents.
- 3C. What is the drawback in specifying properties of an entity, as an attribute instead of as an element while creating an XML document?  
[ 5+3+2 ]

- 4A. Describe the various stages in the life cycle of an applet using a neat diagram.
- 4B. Which is the only header which is mandatory in HTTP 1.1? What does the mandatory header indicate?
- 4C. What is the sequence for calling the start, paint and the init methods in applets?
- [5+3+2]
- 5A. What are the essential features of a HTTP server?
- 5B. Differentiate between safe and idempotent methods in HTTP.
- 5C. Differentiate between session scope and request scope variables 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]

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