



MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL 576104
(Constituent College of Manipal University)



FOURTH SEMESTER B. TECH DEGREE MAKE-UP EXAMINATION, JULY- 2016
SUBJECT: (OPEN ELECTIVE-I) DESIGN AND DEVELOPMENT OF WEB APPLICATIONS(ICT-3282)
(REVISED CREDIT SYSTEM)

TIME: 3 HOURS

09/07/2016

MAX. MARKS: 50

Instructions to candidates

- Answer ALL questions.
- Missing data, if any, may be suitably assumed.
- All scripts should be well commented.

1A. Explain five HTML tags by giving example for each.

1B. Use appropriate tags with nesting to display the following table in a HTML page.

<p>This is a paragraph</p> <p>This is another paragraph</p>	<p>This cell contains a table:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">A</td> <td style="padding: 5px;">B</td> </tr> <tr> <td style="padding: 5px;">C</td> <td style="padding: 5px;">D</td> </tr> </table>	A	B	C	D
A	B				
C	D				
<p>This cell contains a list</p> <ul style="list-style-type: none"> • Apples • Bananas • Pineapples 	<p>HELLO</p>				

1C. Explain video conferencing.

[5+3+2]

2A. Discuss five CSS selectors with examples.

2B. Write a HTML web page to create an image map with two clickable regions, a polygon and a square.

2C. Distinguish between Web Browser and Web Server.

[5+3+2]

3A. Write an HTML page which accepts username, password, address, mobile number and credit card number. Write a JavaScript to validate these fields as per the following rules. Only valid information has to be submitted to "user.php".

- i) Username --- alphabets only, mandatory
- ii) Password ----- starts with digit and then should have alphabets or digits, mandatory
- iii) Credit card number ---- numeric, 16 digits

3B. Explain different types of web pages.

3C. Write a note on strings in JavaScript.

[5+3+2]

4A. Explain different types of arrays in PHP with an example for each.

4B. Discuss date and time functions of PHP.

4C. How do you define a function in PHP? Give example.

[5+3+2]

5A. i) "With the HTML DOM, JavaScript can access and change all the elements of an HTML document"

ii) "With the HTML DOM, JavaScript can add new elements to an HTML document."

Justify these statements with an example for each.

5B. Explain frame and frameset tag of HTML with a suitable example.

5C. Explain different types of positioning in CSS with example for each type.
[5+3+2]