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Total Number of Pages: 03

B.Tech
FECE6405

8th Semester Regular / Back Examination 2016-17
INTERNET TECHNOLOGY AND APPLICATIONS

BRANCH(S): BIOMED, ECE, ETC

Time: 3 Hours

Max Marks: 70

Q.CODE: Z155

Answer Question No.1 which is compulsory and any five from the rest.
The figures in the right hand margin indicate marks.

Q1 Answer the following questions: (2 x 10)

- a) What is HTTP? Why it is called as a stateless protocol?
- b) Define and differentiate between dynamic and static HTML webpage.
- c) What is the difference between GET and POST method?
- d) Write the syntax to include an image in a web page with providing at least 4 attributes.
- e) What is the purpose of eval() and instanceof in javascript ?
- f) Explain at least 2 attributes of <link> tag.
- g) What is NaN? Explain.
- h) Differentiate between local and remote applet?
- i) What is defined by <!doctype> in HTML ?
- j) How .css file is referred in the webpage?

Q2

- a) What is a web server? Explain the basic client server architecture with a suitable diagram. **(5)**
- b) Design a web page to show information about your college and it will have 3 hyper links to two other pages. Each of these pages will display information about a specific department. Each of these pages will be having minimum three hyperlinks – **(5)**
 - i. First hyperlink to the home page
 - ii. Second hyperlink for mail to HODs of respective department
 - iii. Third hyperlink to download notes of different subjects.

Q3

- a) Design a form as per the given format that can be used in an institution as a student registration form. **(6)**

First name:

Last name:

pass word:

Gender: Male Female

Security Question:

Answer:

Suggestions:

- b) Design a web page containing a HTML table which uses 'colspan', 'rowspan', 'cellpadding' and 'cellspacing' tags. (4)

Q4

- a) Write a Java Script code to accept a number from user and check whether that number is prime or not. (5)
- b) How to use arrays in Java Script? Explain at least four different methods of Array object in Java Script by giving a proper example. (5)

Q5

- a) Design a web page using frame which divides the browser window in to 2 columns. Design the page using appropriate tags such that the left column of the page includes 3 links. On clicking these links the targeted pages should appear on the right side column. (5)
- b) What do you mean by an exception? Give a HTML code to show the use of try, catch....throw in java script. (5)

Q6

- a) Explain the different ways to include styles in a HTML page. **(5)**
- b) Why CGI is used? Write the advantages and disadvantages of CGI. **(5)**
Show how testing and debugging is done in Perl CGI script with a suitable example.

Q7

- a) What is DOM? What are the symbols used in a DOM tree? Draw the DOM tree for the given HTML code. **(5)**

```
<html><head> <title> DOM </title> </head>
  <body> <p> Good Morning </p>
        <b> <i> Have a nice day </i> </b>
  </body></html>
```

- b) Why Java Applets are used? Explain the life cycle of applet in detail? **(5)**

Q8 **Write short notes an any two:** **(5 x 2)**

- a) URL and ISP
- b) Boolean Object
- c) Variables in PERL
- d) Different Selectors in CSS