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Total Number of Pages : 01

B.Tech  
FECE6405

8<sup>th</sup> Semester Back Examination 2018-19  
INTERNET TECHNOLOGY AND APPLICATIONS  
BRANCH : AEIE, ECE, EIE, ETC, MINING

Time : 3 Hours

Max Marks : 70

Q.CODE : F098

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) Why HTTP is called as stateless protocol?
  - b) How dynamic web pages are different than static web pages? Explain.
  - c) State the various parts of URL with a suitable example.
  - d) Write the difference between prompt and alert.
  - e) What is Cascading Style Sheet? Explain various types of Style Sheets.
  - f) State the process to debug and test perl script in command prompt.
  - g) Explain JavaScript Object: Window, Document.
  - h) Write the methods used to convert array to string and vice-versa using perl with suitable examples.
  - i) Differentiate between GET and POST. Explain with suitable example.
  - j) Give at least 4 methods in javascript that can be used with the string object.
- Q2**
- a) Design a basic client server application based connecting web server with clients. (5)
  - b) Design a web page of your college that will have three hyperlinks to subpages for departments, placement and contact us. However, there should be a home icon pressing which always the user can go to the home page. (5)
- Q3**
- a) Illustrate the use of array in Javascript. Explain at least four different methods of array objects in Javascript by giving proper example. (5)
  - b) Justify the use of try, catch, throw in Javascript to handle exceptions. Give examples. (5)
- Q4**
- a) Explain the life cycle of Applet. (5)
  - b) Distinguish between <id> and <class> with suitable examples. (5)
- Q5**
- a) Analyze the use of variables in perl. (5)
  - b) How testing and debugging is done in perlcgi script? Explain. (5)
- Q6** Discuss the working of Request – Response mechanism over Internet. Describe how TCP/IP is responsible for working of Internet. (10)
- Q7** Write and explain tags to create following HTML form elements with their attributes : (10)
- a) textbox
  - b) Dropdown list
  - c) Password field
  - d) Checkbox
  - e) Radio button
- Q8** Write short answer on any TWO : (5 x 2)
- a) Exception handling in javascript
  - b) Popup boxes in javascript
  - c) Selectors in CSS