

Ajay Kumar Garg Engineering College, Ghaziabad
Department of CSE
Sessional Test-2

Course: B.Tech
 Session: 2017-18
 Subject: Web Technology
 Max Marks: 50

Semester: 5th
 Section: CS-1, CS-2, CS-3, IT-1, IT-2
 Sub. Code: NCS-504
 Time: 2 Hour

Note: Answer all the sections.

Section-A

A. Attempt all the parts.

(5*2=10).

1. Define anchor tag and image tag of HTML with an example of each.
2. Differentiate between HTML and XML.
3. What is use of RegExp object of Java Script? Give an example.
4. Give differences between Get and Post method.
5. Discuss use of Frameset and Frame tag of HTML using an example.

Section-B

B. Attempt all the parts.

(5*5=25)

6. What is the role of CSS? Explain various types of CSS that can be used in HTML programming.
7. Discuss the differences between DOM and SAX parser. Specify situations in which a particular parser is suitable.
8. Write steps for writing an AJAX program. Describe various states of readyState property of AJAX.
9. Write a Java Bean program for employee information (EmpNo, Name, Designation). Employee number (EmpNo) should be read only. Create an object of Java Bean and display employee information.
10. Define the terms related to VB Script (i) Dim (ii) Option Explicit (iii) Dynamic array (iv) Sub procedure (v) Function. Give an example of each.

Section-C

C. Attempt all the parts.

(2*7.5=15)

11. What do you mean by Scripting Language? Write a HTML program with Java Script which validates Institute information (InstituteNo, InstituteName, Address, Email). Perform following validations:
 - (i) InstituteNo should not be empty and must be numeric.
 - (ii) InstituteName should be alphabetic and should have maximum of 15 characters.
 - (iii) Address should be alphanumeric.
 - (iv) Email field should have valid email.
 Explain the program in brief.
12. Write rules of writing an XML program? Write a XML file with corresponding DTD for book detail (BookNo, Title, Price) with one attribute 'Copies' in BookNo tag that shows number of copies of the book. XML file should have information for at least three books.

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