Register Number: …………………………..

M.E DEGREE EXAMINATIONS: JUNE 2012

Second Semester

COMPUTER SCIENCE AND ENGINEERING

CSE506: Web Technology

Time: Three Hours   **Maximum Marks: 100**

Answer All Questions:-

PART A (10 x 2 = 20 Marks)

1. Define MIME.

2. Write a java script program using functions and prompt box to generate prime numbers

3. Design a HTML form that sends a employee name to a perl script. Write a script to welcome the employee with his name and a welcome message

4. Mention some of the server side include directives with their usage

5. Write two commonly used HTTP request types and mention the use of them.

6. Mention some of the disadvantages that keeps people away from using e-marketing

7. Define cookies and its advantages

8. Distinguish between HTML and XML

9. When does a XML document called as well-formed XML document?

10. Mention the use of thread safe attribute and autoflush attribute in page directive

PART B (5 x 16 = 80 Marks)

11. a) (i) Design a mail registration system and validate the code using JavaScript for the following operations

    a. Validate for a password length of 6 characters and check for existence of @ symbol in email field

    b. Validate checkbox and the user should not be allowed to submit the form without filling the data in the form.

(OR)

b) (i) Write a java script code to generate random images from an array and roll over image on clicking of button.   (8)

(ii) Explain about the working of various email protocols.   (8)

12. a) (i) What are the various types of cascading style sheets available? Explain them with suitable example for each.   (8)

(ii) Explain about flip filters, Mask filter and alpha filter in DHTML with a suitable example. (8)

(OR)

b) (i) Define CGI. Explain the basic structure of CGI application and discuss about the environment variables used in it.

13. a) (i) Describe how background sounds and video can be added in a web page with an example. (8)

(ii) Explain about any four e-marketing models. (8)

(OR)

b) (i) Distinguish between client side scripting and server side scripting. (6)

(ii) Explain about the use of SSL, CRM, electronic advertising and Consumer tracking in e-marketing. (10)

14. a) Describe about various objects in ASP with suitable examples

(OR)

b) (i) Write a DTD for the following XML document. (8)

<Tablespaces>

<Tablespace name="APP_DATA" type="permanent" logging="true">
<Datafile name="/u10/app/oradata/ERPDB/app_data01.dbf" size="250M"
reusefile="true" autoextend="off">
</Datafile>
<Datafile name="/u10/app/oradata/ERPDB/app_data02.dbf" size="250M"
reusefile="true" autoextend="on">
<Autoextend next="500M" max="unlimited"/>
</Datafile>
<ExtentMgt method="local">
<AllocMethod method="AUTOALLOCATE"/>
</ExtentMgt>
</Tablespace>

<Tablespace name="APP_TEMP" type="temporary" logging="false">

```
      <Datafile name="/u07/app/oradata/ERPDB/app_temp01.dbf" size="500M"
    reusefile="true" autoextend="on">
        <Autoextend next="500M" max="unlimited"/>
      </Datafile>
      <ExtentMgt method="local">
        <AllocMethod method="UNIFORM" size="1M"/>
      </ExtentMgt>
    </Tablespace>


    </Tablespaces>
```
   (ii) Write short notes on SAX and DOM.   (8)

15. a) Define servlet .How does servlet differ from CGI? .Write a servlet program using JDBC

   for a railway reservation system to perform the following operations

   a. Adding train details

   b. Reserving and cancelling the train details based upon a unique ID.

(OR)

   b) Explain about servlet architecture and various implicit objects in JSP.

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