B.E.(with Credits)-Regular-Semester 2012-Information Technology Sem. V
IT502 - Web Technology

P. Pages : 2

GUG/W/16/3778

Time : Three Hours

5038

Max. Marks : 80

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Notes :   1.   All questions carry marks as indicated.
2.   Due credit will be given to neatness and adequate dimensions.
3.   Assume suitable data wherever necessary.
4.   Illustrate your answers wherever necessary with the help of neat sketches.

1.   a)   Explain the terms :   **8**

i)   Client – Server Architecture.

ii)   Telnet

iii)   e – mail

iv)   WWW

b)   Differentiate between :   **8**

i)   TCP and UDP connections

ii)   Internet and Intranet.

OR

2.   a)   What is OSI model? Explain the functions of the OSI layer.   **10**

b)   How TCP / IP model is different from OSI model? Explain.   **6**

3.   a)   "HTML is a Structured Language" True or False. Justify.   **4**

b)   Explain the concept of FRAME and FRAMESET with the help of an example.   **8**

c)   Explain the following in brief :   **4**

i)   Linking a file

ii)   ALT attribute

OR

4.   a)   Explain with suitable HTML codes, the use of following tags and its attributes :   **6**

i)   IMG

ii)   FORM

iii)   FONT

b) Write a HTML program to get a table as shown below : **10**

Day	Seminar		
	Schedule		Topic
	Begin	End	
Monday	8.00 am	5.00 pm	Introduction to XML, Validity : DTD
Tuesday	8.00 am	2.00 pm	Xpath
	2.00 pm	5.00 pm	XSL Transformation
Wednesday	8.00 am	12.00 pm	XSL formatting objects

5. a) What is Common Gateway Interface? Explain its architecture and its working with the help of suitable diagram. **8**

b) Enlist and explain environment variables used in CGI programming. **8**

OR

6. Name and describe the syntax for : **16**
   i) Naming a Socket.
   ii) Accepting Connections.
   iii) Creating a Socket.
   iv) Requesting Connections.

7. a) Explain : **8**

   i) XML Structure

   ii) Element Declarations.

b) Explain XML parent / child relationship. Write XML code for it. **8**

OR

8. a) Describe in detail, the DTD structure used in XML. **10**

b) Explain XML namespaces. **6**

9. a) Explain XSL elements and XSL methods. **8**

b) What are the goals for creating XLink? **8**

OR

10. a) Explain : **10**

   i) XLink : Simple Link

   ii) XLink : Extended Links

b) Explain in brief, the concept of weak typing v/s strong typing. **6**

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