

B.TECH SEM - VI (2007 COURSE) (CHEMICAL ENGG.) :

WINTER - 2017

SUBJECT : COMPUTER PROGRAMMING FOR CHEMICAL ENGINEERING – II

Day : **Thursday**
Date : **23/11/2017**

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 80

W-2017-2497

N.B.:

- 1) **Q.No.1 and Q.No.5** are compulsory. Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in the **SEPARATE** answer books.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** a) Discuss the client server applications and web applications with suitable examples. **[06]**
- b) Give the HTML tags for the following with suitable examples: **[06]**
- i) Hyperlink to another web page
 - ii) Hyperlink on the same page
- c) What is child frameset? **[02]**
- Q.2** a) Write HTML code to display following web page: **[07]**

Logo.gif	<u>Oxford International School</u> “Creating Global Citizens”
Academic :	
1. Pre-Primary Section	
2. Primary Section	
3. Secondary Section	
Games :	
• Chess	
• Carrom	
• Cricket	
(Website developed by XYZ)	

Note :

- i) Logo.gif is an image located in path c:\ image folder.
 - ii) Title is in red colour-font “Arial” (size-18).
 - iii) Background colour of web page is pink.
 - iv) Games are in black colour-font “Times New Roman” (size-16).
- b) Explain different types of frames used in web page designing. **[06]**
- Q.3** a) Write HTML code to display following table: **[07]**

Price Table		
Item	Company name	
	Cello	Reynold's
Gel Pen	Rs. 45	Rs. 50
Ball Pen	Rs. 30	Rs. 35

- b) Explain the following attributes of <table> tags. **[06]**
- i) Cell padding
 - ii) bg color
 - iii) colspan.

P.T.O.

- Q.4 a)** What is HTML? Explain any six text formatting tags. [07]
- b)** What is DHTML? Explain cascaded style sheets with suitable examples. [06]

SECTION – II

- Q.5 a)** Write difference between: [06]
- i)** Option button and check box.
 - ii)** Implicit declaration and explicit declaration.
- b)** Explain in detail visual basic new project dialog box. [04]
- c)** Explain any two looping statements along with syntax and example. [04]
- Q.6 a)** What is data type? Explain various data types used in visual basic with suitable examples. [07]
- b)** Draw interfaces and write a program to accept two numbers form user in text box 1 and text box 2 respectively. Display result in text box 3, when user clicks on the particular command buttons having caption addition, subtraction, multiplication and division. Clear all text boxes by using “Clear All” command button. (Take three text boxes and five command buttons). [06]
- Q.7 a)** Explain check box control with suitable example. [07]
- b)** Draw interface and write VB programs to accept a number from user in text box 1 and display sum of odd digits and sum of even digits of entered number in text box 2 and text box 3 respectively, when user clicks on a particular command button having caption “Result”. Also clear all text boxes using command button having caption “Clear All”. [06]
- Q.8 a)** Explain timer control with suitable examples. [07]
- b)** Draw interface and write a program for design of dryer to carry out operations given below: [06]
- i)** Accept values of wet solids fed to the dryer in kg, % solids present in wet solids, % moisture in product solids and % solids in product solids from user in Text 1, Text 2, Text 5 and Text 6 respectively.
 - ii)** Display water removed (kg) and product solids obtained (kg) in Text 3 and Text 4 respectively, when user clicks on a command button having caption “Calculate water removed and product solids obtained in kg”.
 - iii)** Clear all text boxes using “Clear All” command button.
- (Note: Take six text boxes, six labels and two command buttons).

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