

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

SUMMER - 2018

**SUBJECT: COMPUTER PROGRAMMING FOR
CHEMICAL ENGINEERING-II**

Day : **Friday** S-2018-2702 Time : **02.30 PM TO 05.30 PM**
Date : **08/06/2018** Max. Marks: 80

N. B. :

- 1) **Q. No. 1 and Q. No. 5 are COMPULSORY.** Out of the remaining attempt any **TWO** questions from each section.
 - 2) Use of non-programmable calculator is **ALLOWED.**
 - 3) Answer to both the sections should be written in **SEPARATE** answer books.
 - 4) Assume suitable data, if **NECESSARY.**
 - 5) Figures to the right indicate **FULL** marks.
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SECTION-I

- Q.1**
- a) What is HTML? Explain any five HTML tags with suitable example. (06)
 - b) Explain communication between web server and web browser with suitable example. (04)
 - c) Explain DOM components of DHTML with suitable example. (04)
- Q.2**
- a) How to create and use tables in HTML? Explain with suitable example. (07)
 - b) Explain ordered list and unordered list with syntax and suitable example. (06)
- Q.3**
- a) What are frames? Describe different tags used for defining the frames. (07)
 - b) Explain the following tags: (06)
i) `<caption>` `</caption>` ii) `
` iii) `` ``
- Q.4**
- a) What is DHTML? Explain cascaded style sheets with suitable example. (07)
 - b) How to display dynamic content in DHTML? Explain with an example. (06)

SECTION-II

- Q.5**
- a) Explain any three looping statements along with syntax and example. (06)
 - b) Explain various parts of visual basic window/Interface. (04)
 - c) Explain check box control with suitable example. (04)
- Q.6**
- a) What is variable? Explain implicit and explicit variable declaration with suitable example. (07)
 - b) Draw interface and write a program to accept a decimal number from user in Text box 1 and display result in Text box 2, when user clicks on command button having caption "Decimal to Octal conversion". Clear all text boxes using "Clear All" command button. (06)
- Q.7**
- a) Explain list box control with suitable example. (07)
 - b) Explain subroutine and function with appropriate example. (06)
- Q.8**
- a) Explain timer control with suitable example. (07)
 - b) Write applications of visual basic for chemical engineering. (06)

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