

M.Sc. (Previous) Examination, 2019

CHEMISTRY

Paper - VI (CH-406)

(Computer for Chemists)

Time : 3 Hours

Maximum Marks : 50

- Note:** (i) No supplementary answer-book will be given to any candidate. Hence the candidates should write the answer precisely in the main answer-book only.
- (ii) All the parts of one question should be answered at one place in the answer book. One complete question should not be answered at different places in the answer-book
- (iii) Attempt five Questions in all, selecting at least one question from each unit. All questions carry equal marks

Unit-'I'

1. Write explanatory notes on the following:

(a) DOS

(b) UNIX

5+5

Or

Write short notes on the following:

(a) Memory of computer

(b) Algorithms

(c) Computer languages

4+4+2

Unit-'II'

2. What is operator? Describe the different types of operators with examples in C-language. 10

Or

Write short notes on the following :

(a) if statement

(b) go to statement

(c) REM and LFT statement

3+3+4

Unit-III

3. (a) Write a program to compute pressure from Vander Waal's equation. 6
- (b) Write a program to compute rate constant of zero order reaction. 4

Or

Write a program to calculate pH of acidic, basic and neutral solution. 10

Unit-'IV'

4. Calculate the value of the integral $\int_0^1 \frac{dx}{1+x^2}$ by using Simpson's 1/3 and 3/8 rule and also calculate the approximate value of π in each case. 10

Or

Describe the MS-Word processing program. 10

Unit- V

5. Write an explanatory note on EXCEL. 10

Or

Write an explanatory note on FOXPRO. 10

—X—

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