

POSTGRADUATE FOURTH SEMESTER EXAMINATION, 2022

CHEMISTRY

Course Code: CHEM 404C (PR)

Course ID: 41464

Computer Application Practical

Time: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Answer *any four* of the following questions: 10x4=40
- (a) (i) What is variable in C-program? Give some examples.
(ii) What is the syntax of 'for loop'? Give example.
(iii) How 'for loop' is different from 'while loop'?
(iv) What is nested statement in C? Give example. 2+2+3+3=10
- (b) (i) Write a C-program to check a number is prime or not.
(ii) Write a C-program to check a number is even or odd 5+5=10
- (c) (i) Write a C-program to print the multiple of 3 between a given range.
(ii) Write a C-program to print the divisor of a given number. 5+5=10
- (d) (i) Write a C-program to print the number between 10 and 50 except the multiples of five.
(ii) Write a C-program to check a number is perfect square or not. 5+5=10
- (e) (i) Write a C-program to check whether three given lengths can make a triangle.
(ii) Write a C-program to check given year is leap year or not. 5+5=10
- (f) (i) Calculate the area of a circle.
(ii) Calculate the area and volume of a cylinder. 5+5=10
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