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School of Basic Sciences**Master of Science in Chemistry
Mid Term Examination - Nov 2023****Duration : 90 Minutes
Max Marks : 50****Sem I - C1PK103T - Computer Applications for chemistry**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Summarize the types of programming language. K2 (2)
 - 2) Why do we need algorithms? K1 (3)
 - 3) Illustrate the algorithm in details. K2 (4)
 - 4) Explain the tools used in ChemDraw. K2 (6)
 - 5) Utilize the concept of flowchart for the addition of two numbers (5 and 7). K3 (6)
 - 6) Apply the concept of Flowchart to calculate the area of circle. K3 (9)
 - 7) Compare between two algorithms written for the same problem. K4 (8)

 - 8) Analyze difference in BLAST and FASTA tools used for Bioinformtics? K4 (12)
- OR**
- Analyze the five use of Flowchart. K4 (12)