**Unit 13.1& 13.2 : Data Representation and File Organization**

Weekly\_Test (27 Feb 2023 to 5 March 2023)

1) Explain, using examples,the difference between serial and sequential files.

[5 Marks]

2) Explain the process of direct access to a record in a file using a hashing algorithm.

[5 Marks]

1. From the structure chart that you have drawn in Q1, write a Pseudo Code of a function to calculate the volume of a sphere, and also write another Pseudo code of a function to calculate the surface area of a sphere. You would also need to declare the variable and constants used in your Pseudo Code.

[4 Marks]