M.E.S WADIA COLLEGE OF ENGINEERING,PUNE-411001

Department of Computer Engineering

Assignment –I (2019 PAT)   A.Y(2023-24)   Sem-I

Class:SE1   **SUBJECT: Fundamental of Data Structures**   Date:

[Max. Marks 10]

Q.1 Define algorithm and its characteristics.   [2M]

Q.2 Explain asymptotic notations Big O, Theta and Omega with one example of each.   [2M]

Q.3 Write a C++ code to perform polynomial multiplication using arrays.   [2M]

Q4. Define and explain: Sparse Matrix   [2M]

Q5. Show the various passes of bubble sort on an unsorted list 11, 15, 2, 13, 6   [2M]

---BEST OF LUCK--