

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

Department of Computer Engineering

Assignment: – I (2019 PAT)

A.Y - (2025-26)

Semester: II

Class: BE

Subject: High Performance Computing (HPC)

Date: 24/03/2026

CO Mapped- CB19-410.5

Marks: 10

1. What is CUDA? Explain different programming languages support in CUDA. Discuss any three applications of CUDA.
2. Describe processing flow of cuda along with CUDA C functions.
3. Explain how the CUDA C program executes at the kernel level with example.
4. What are the issues in sorting on parallel computers with example?
5. Explain Dijkstra's algorithm in parallel formulation.