

The University of Burdwan
M.Sc. 1st Semester Examination, 2020
Subject: Computer Science and Application
Paper: MCSA-104
Full Marks: 40 Time 2 Hours

Answer any eight questions (All questions contain equal marks)

(8 X 5 =40)

1. Differentiate between Computer organization and Architecture.
2. Explain the concept of virtual memory.
3. Discuss the concept of register direct and indirect addressing modes.
4. Explain the Systolic Array pipeline architecture.
5. Discuss the concept of collision vector in the context of pipeline.
6. Explain set associative mapping with an example.
7. Explain interrupt initiated I/O with an example.
8. Explain RISC architecture.
9. Describe different modes of DMA transfer.
10. Write a note on flash memory.