PG–247 **MSC–6**

M.Sc. DEGREE EXAMINATION — JUNE 2018.

First Year

COMPUTER ARCHITECTURE

Time : 3 hours Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain about Feng's classification.

2. Write about parallel processing applications.

3. Describe about utilizing data parallelism.

4. Discuss about the delays in pipeline execution.

5. Explain about hazard detection and execution.

6. Write about the overview of Single Instruction Multiple Data.

7. Explain about matrix operations.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail about Flynn's Classification with diagram.

9. Write brief notes on parallelism in uniprocessor systems.

10. Describe in detail about data parallel processing with specialized processor.

11. Explain in detail about classification of pipeline processors.

12. Discuss briefly about vector processing requirements and characteristics.

13. Describe in detail about exchange of omega networks.

14. Explain in detail about models of computation.

———————