W-3239(A)

M.Sc. (Fourth Semester) Examination, (Second Chance) June-2020

COMPUTER SCIENCE

Paper - 403(ii)

Parallel Processing

Time : Three Hours

Maximum Marks : 85

Minimum Marks : 29

Note : Attempt **all** questions. All questions carry equal marks.

Q.1. Describe the architecture of parallel computer. How can we implement the architecture classification scheme?

Q.2. Explain vector processing with the instruction, arithmetic-pipelines and requirements. Write its features.

Q.3. What do you mean by SIMD-Array processor? Describe parallel-algorithm for array-processors.

Q.4. Write notes on :
   a) Parallel Memory Organizations
   b) Multiprocessor control algorithms

Q.5. Explain Data-flow computers with the data-driver-computing and languages. Write advantages and disadvantages of these.

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