

## **W-3239**

### **M.Sc. (Fourth Semester) Examination, 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. Explain different classification of parallel - computers. Describe parallel processing mechanism and architecture.
- Q.2. a) Describe static? Dynamic - interconnection networks for parallel computer.  
b) Data flow computers role in parallel-processing.
- Q.3. Describe falling terms? Explain the importance of their related to the parallel -algorithm design-
- a) Decomposition  
b) Concurrency  
c) Granularity
- Q.4. Describe parallel computing algorithms for multiprocessor synchronous and asynchronous.
- Q.5. Describe system deadlock, protection and scheduling strategies.

