

BTS (C) VIII - 03 - 506 (B)

B.Tech. Degree VIII Semester Examination May 2003

CS 801 ADVANCED ARCHITECTURE AND PARALLEL PROCESSING (1999 Admissions)

Time: 3 Hours

Maximum Marks: 100

(All questions carry EQUAL marks)

- I. Describe different shared memory multiprocessor models.
OR
- II. Describe different parallel processing techniques used in sequential machines.
- III. Describe the architecture and principle of working of super scalar pipelined processor.
OR
- IV. Describe multi-pipeline scheduling used in super scalar pipeline processor.
- V. Describe different types of operating systems for parallel computers.
OR
- VI. Describe different software tools used for the development of parallel programs.
- VII. Describe multithread programming in a procedural programming system.
OR
- VIII. Describe the thread implementation in JAVA.
- IX. Describe different parallel algorithms for sorting.
OR
- X. Describe distributed and network operating systems and give a comparison of both.

