

MARWARI COLLEGE RANCHI

Subject : Operating System

Full Marks : 30

Paper : X

Time : 1Hr.

MCA SEMESTER 2

Mid semester examination 2017

1. Answer all questions: 2 x 5 = 10
 - a. Spooling
 - b. Buffering
 - c. Semaphore
 - d. Quantum
 - e. Real-time systems
2. Answer any **TWO** questions. 5 x 2 = 10
 - a. What is PCB? Explain its structure.
 - b. Discuss the various types of operating system.
 - c. What do you mean by process communication? Explain its types.
3. Answer any **ONE** question. 10 x 1 = 10
 - a. What do you mean by scheduling? Explain the various process scheduling algorithms.
 - b. What is process? Discuss the critical section problem.