

Subject:- MCAC304: Operating Systems

Time: One Hour

Max. Marks: 30

Note: All questions are compulsory. Question no. 5 carries 10 marks, each question from 1 to 4 carries 5 marks.

- Q 1. Explain system calls (with signature) for process management
- Q 2. Explain various services provided by an operating system.
- Q 3. Discuss process state transition with diagram.
- Q 4. For the logical addresses: 16GB and 256MB, find the page number and displacement for 4-KB and 8-KB pages.
- Q 5. Discuss various solutions for critical section problem with example.