

MARWADI EDUCATION FOUNDATION'S GROUP OF
INSTITUTIONS FACULTY OF COMPUTER APPLICATIONS

Strategic Coaching

Branch/ Semester	Master of Computer Application
Subject Code:	05MC0104
Subject Name:	Operating Systems (OS)
Faculty Members:	Prof. Vinod Kumar Pal Prof. Dipak Thanki
Work Allocation:	Based on Marks below
Set-1	0-12
Set-2	13-18
Set-3	19-30

Note: Before Uploading in Student Subject Performance Module

1. Remember to write your Full DIGIT Enrolment number and Name on top of every page.
2. Consider above question in brief explanation only.
3. Length and Quality of answers will be considered as proper answer.
4. Short answers will be rejected.
5. It must be done in **Student Subject Performance Module** only.
6. It should be completed in the given period of Date and Time only.

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Sr.no	Questions
Set : 1	
1	What is operating system? Explain all the types of OS with suitable examples.
2	Explain five state model with suitable diagram in brief.
3	Differentiate: Process Vs Threads
Set : 2	
1	What do you mean by Semaphore? Explain counting and binary semaphore with suitable diagram and examples.
2	What is deadlock? Explain banker's algorithm with suitable example.
Set : 3	
1	Explain the concept of paging and segmentation with suitable examples.
2	Explain SJF and Round robin CPU scheduling algorithms with suitable examples.