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SARDAR PATEL UNIVERSITY
BBA (ITM) SEM-III EXAMINATION 2016
(UM03EBBI07) - METHODS AND PRACTICES OF OPERATING SYSTEM
 Time: 02:00 p.m. to 04:00 p.m.

Date: 08/12/2016, Thursday

Total Marks: 60

Q.1(A) Write a detail note on Functions performed by Operating System. [07]
(B) Discuss Monolithic & Layered Structure of OS. [08]

OR

Q.1(A) Discuss Types of Operating System. [07]
(B) Discuss Virtual Machine & Client-Server Structure of OS. [08]

Q.2 Write a detail note on CPU Scheduling. Including introduction to Process, Process Control Block, and Process Scheduling. [15]

OR

Q.2(A) Discuss: FCFS Scheduling, Round Robin Scheduling. [08]
(B) Discuss: SJF Scheduling, Priority Scheduling. [07]

Q.3(A) Discuss Memory Management and List out basic Memory Management Techniques. [07]

(B) Discuss Virtual Memory System. [08]

OR

Q.3(A) Write a detail note on FIFO Page Replacement Algorithm. [07]
(B) Discuss Demand Paging and Swapping. [08]

Q.4(A) Write a detail note on Cooperating process & Process Synchronization. [10]
(B) Discuss in detail Critical Section Problem. [05]

OR

Q.4(A) Explain Deadlock and characterization. [07]
(B) Explain Resource Allocation Graph [08]
