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SEAT No. _____

No. of printed pages: 01

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SARDAR PATEL UNIVERSITY

SYBBA-ITM 3 years (Semester – III) EXAMINATION

METHODS AND PRACTICES OF OPERATING SYSTEM [UM03EBBI07]

DATE: 27/11/2017, Monday

TIME: 2:00P.M. TO 4:00P.M.

Total Marks: 60

- Q.1 [A] What is OS? Describe functions of operating system. [10]
 [B] Explain Real Time Operating System. [05]

OR

- Q.1 [A] Describe Monolithic Systems. [08]
 [B] Explain Client-Server systems. [07]

- Q.2 [A] Explain TCB. [08]
 [B] Describe First Come First Serve Scheduling Algorithm. [07]

OR

- Q.2 [A] Describe process state and its transitions. [08]
 [B] Explain Priority Scheduling Algorithm. [07]

- Q.3 [A] Describe concept of virtual memory system. [08]
 [B] Explain Multiprogramming with Fixed Partitions. [07]

OR

- Q.3 [A] Describe FIFO Page Replacement algorithm with suitable example. [08]
 [B] Explain Swapping. [07]

- Q.4 [A] Explain Critical Section Problem. [08]
 [B] Explain Resource Allocation Graph. [07]

OR

- Q.4 Describe Deadlock and its characterization. [15]

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