PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION MAY 2019
(Third Semester)

Branch - COMPUTER APPLICATIONS

OPERATING SYSTEM

Time: Three Hours   Maximum: 75 Marks

SECTION -A (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks (5 x 6 = 30)

1   a Discuss about Inter process communication.
OR
b Explain Round Robin Scheduling algorithm.

2   a Write about Dining philosophers problem.
OR
b Define threads and multi threading.

3   a Discuss about logical and physical address with neat figure.
OR
b Explain in details about Demand paging.

4   a Write about Disk Scheduling.
OR
b Discuss about File Allocation method.

5   a What is Pipe in Linux? Explain.
OR
b Define Terminal & Interface.

SECTION -B (45 Marks)
Answer any **THREE** questions
ALL questions carry **EQUAL** Marks (3 x 15 = 45)

6   Write in detail about types of operating systems.

7   What is the meaning of Dead lock? How to dead lock prevention are made?

8   Discuss about Page Replacement algorithm with example data.

9   Explain (i) I/O interface   (5 marks)
              (ii) File Access method (10 marks)

10   Write about (i) Linux Environment variables
              (ii) System Calls.

Z-Z-Z   END