

PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2025
(Second Semester)

Branch - NETWORKING AND MOBILE APPLICATION

OPERATING SYSTEM CONCEPTS

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks $(10 \times 1 = 10)$

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain how an Operating System functions as an interface between the user and the computer hardware (OR)	K1	CO1
	11.b.	Write about process control structure.		
2	12.a.	Summarize the user level threads. (OR)	K2	CO2
	12.b.	Explain deadlock prevention.		
3	13.a.	Illustrate memory management requirements. (OR)	K2	CO3
	13.b.	Examine Shortest Process Next scheduling neatly		
4	14.a.	Illustrate Direct Memory Access. (OR)	K3	CO4
	14.b.	Briefly define the disk scheduling policies.		
5	15.a.	Explain about file management systems. (OR)	K4	CO5
	15.b.	Discuss neatly about file sharing.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Describe five state model of the process.	K1	CO1
2	17	Explain deadlock detection algorithm with example.	K2	CO2
3	18	Discuss about paging in memory management.	K2	CO3
4	19	Explain I/O buffering neatly.	K3	CO4
5	20	List and briefly define five file organization.	K4	CO5

Z-Z-Z END