

**Second Semester FYUGP Degree (Reg) Examination April  
2026**

**KU2DSCCSY104 - OPERATING SYSTEM**

2025 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

**Section A**

**Answer any 6 questions. Each carry 2 marks.**

1. Define Operating System.
2. Define Process Control Block (PCB).
3. Define sequential access method.
4. What is direct access method?
5. What is contiguous memory allocation?
6. What is a page table?
7. List any four features of Linux.
8. Define process monitoring.

**Section B**

**Answer any 4 questions. Each carry 6 marks.**

9. Explain the paging technique with diagram.
10. Explain demand paging mechanism.
11. Explain fragmentation in memory management.
12. Discuss file permissions in Linux.
13. Describe different types of files in Linux.
14. Explain the use of ps command with -ef and aux flags.

**Section C**

**Answer any 1 questions. Each carry 14 marks.**

15. Explain the concept of process management and operations on processes.
16. Explain tree-structured directories and their features.