



A CHARUTAR VIDYA MANDAL'S INSTITUTION

V.P. & R.P.T.P. SCIENCE COLLEGE

VALLABH VIDYANAGAR-388120

(AUTONOMOUS) (GRANT-IN-AID)

AFFILIATED TO SARDAR PATEL UNIVERSITY



BACHELOR OF COMPUTER APPLICATION (SEMESTER 4) INTERNAL EXAMINATION 2026 US04MABCA02 : OPERATING SYSTEMS

Date:09/03/2026 Monday

Time: 2:45 PM TO 4:15 PM

TOTAL MARKS: 30

Q:1 Attempt following MCQ.

6

1. The operating system manages _____.
A. Memory
B. Disk and I/O devices.
C. Processor
D. All of the above
2. Time- Slice Scheduling algorithm is also called _____.
A. FCFS
B. Round-robin
C. SJF
D. Priority
3. Swapping of process requires
A. Operating System
B. Main Memory
C. Backing Store
D. All of these
4. Solution to internal fragmentation is _____.
A. Process
B. Register
C. Operating system
D. None of these
5. First UNIX was developed by a _____.
A. Linux Torvald
B. Ken Thompson
C. Linus Torvald
D. None
6. _____ command is use to merge multiple files.
A. merge
B. cp
C. paste
D. None



Q:2 Define OS. Explain Services of Operating System.

6

OR

Explain PCB.

Q:3 Explain Swapping.

6

OR

Explain Demand Paging.

Q:4 What is Cooperative Process? Explain Producer-Consumer Problem.

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OR

Explain Process Synchronization.

Q:5 Discuss about shell script along with its execution and use.

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OR

Discuss all conditional statements (Control Structure)



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BACHELOR OF COMPUTER APPLICATION (SEMESTER 4) INTERNAL EXAMINATION 2026

US04MABCA02 : OPERATING SYSTEMS(QUIZ)

Date:09/03/2026 Monday

Time: 20 Minutes

Marks:15

Q :1 Attempt following questions.



1. _____ Scheduler select process from ready queue for execution.
2. OS table is also called _____.
3. Aging is the solution of _____ Priority system.
4. Difference between allocated memory and requested memory is known as _____.
5. Demand Paging is _____.
6. Printer is an example of _____ resource.
7. The process which cannot affect or be affected by the other processes executing in the system is known as _____.
8. A _____ characters in Linux is a symbol or a set of symbols that stands in for other characters.
9. Compiler is an example of hardware components of Operating system.
True or False: _____
10. Case statement ends with _____.
11. For delimiter -f option is use in cut command.
True or False : _____
12. The If statement ends with fi.
True or False: _____
13. cd command is used to change the working directory.
True or False: _____
14. A Lazy swapper swaps pages from backing store to main memory and vice-versa.
True or False: _____
15. In Layered Approach, highest layered being tools.
True or False: _____