

No. of Printed Pages : 4
Roll No.

220831

**3rd Sem / Computer, Computer
(For Speech and Hearing Impaired)**

Subject : Operating System

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 DOS stands for (CO1)

- a) Disk operating signal
- b) Disk operating system
- c) Disk orientation system
- d) Disk orientationally signal

Q.2 PCB stands for (CO2)

- a) Program Counter Block
- b) Process control block
- c) Process command block
- d) Program command block

Q.3 Which one is not the factor that influences the process abort? (CO2)

- a) Priority
- b) Number of resources
- c) Interactivity
- d) Process Name

Q.4 Which is not a valid term in operating system? (CO3)

- a) PMT
- b) FMT
- c) SDT
- d) DDT

Q.5 The three major methods of allocating disk space are: (CO4)

- a) Contiguous
- b) Linked
- c) indexed
- d) All of these

Q.6 Which of the following command is used to create a file in linux? (CO5)

- a) touch
- b) cat
- c) echo
- d) All of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Define System Call. (CO1)

Q.8 Define context Switching. (CO2)

Q.9 _____ and _____ are two types of partitions. (CO3)

Q.10 Hard disk drive is a _____ storage device. (CO4)

Q.11 Define File Management. (CO4)

Q.12 What is a shell? (CO5)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Define System software. Define various components of system software in short. (CO1)

Q.14 Explain briefly: (CO2)
i) Process creation ii) Process Termination

Q.15 What is scheduler? Explain different types of schedulers briefly. (CO2)

Q.16 What are the various conditions for deadlock to occur? (CO2)

Q.17 Explain best fit, worst fit and first fit method of allocating memory. (CO3)

Q.18 Explain paging with diagram. (CO3)

Q.19 Write notes on: (CO4)
a) Buffering b) Spooling

Q.20 Explain various file Accessing techniques. (CO4)

Q.21 Write a shell script to find the factorial of a number. (CO5)

Q.22 Write down and explain features of linux. (Co5)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 What is Linux? What are the advantages and disadvantages of Linux? Explain any four commands of linux. (CO5)

Q.24 Define Virtual Memory. How it is useful? Explain the working of virtual memory with diagram. (CO3)

Q.25 Explain FCFS and SJF with example. (CO1)