

No. of Printed Pages : 4

Roll No.

120831/030831

3rd Sem. / Comp, IT,GE

Subject : Operating system

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note:Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- Define Operating System?
 - What is turnaround time?
 - What is compiler?
 - Write down two functions of a loader.
 - Write down the difference between single user and multiuser operating system.
 - What is the difference between process and program.
 - Define job scheduler.
 - Define Non-pre emptive scheduling.

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- What is context switching?
- Define process.
- Define deadlock.
- Define DOS?
- Define an icon in windows?
- What are output devices?
- What is meant by field and Record?
- Define sequential file access method.
- Define Swapping?

SECTION-B

Note:Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- Define loader? Write down the various types of loaders? Briefly explain any two types of loaders?
 - Differentiate between compiler and interpreter?

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- iii) Write short notes on following :-
 - (a) Network operating system.
 - (b) Distributed operating system.
- iv) What are the various performance criterias used by schedulers?
- v) Write short notes on :-
 - (a) Shortest job first scheduling algorithm.
 - (b) Round Robin Scheduling algorithm.
- vi) Write short note on DOS internal commands and external commands?
- vii) Write down the various I/O Management functions.
- viii) Differentiate between Buffering and spooling.
- ix) Write short notes on following :-
 - (a) Dedicated Devices.
 - (b) Shared Devices.
- x) Why do we need storage devices.

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- xi) Discuss hier archical file structure.
- xii) What are various file management functions.
- xiii) Write short note on segmentation.
- xiv) Discuss in brief virtual memory managements.
- xv) What are the various memory management functions?

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain in detail the various functions of operating system?
- Q.4 Discuss the methods for handling deadlocks?
- Q.5 What are the main features of DOS? Also explain Directory structure of DOS?
- Q.6 Discuss the various page replacement policies in detail.
- Q.7 Explain any five file operations?

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