



PAT-003-0072004 Seat No. _____

M. C. A. (Sem. II) (CBCS) Examination
August/September - 2020
P2040 : Operating system And Linux
Programming

Faculty Code : 003
Subject Code : 0072004

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (A) Attempt following questions : 4
- (1) What is Thread?
 - (2) What is turn-around time?
 - (3) Full form of RTOS.
 - (4) Full form of RR.
- (B) Attempt Any One : 2
- (1) Explain Desktop system.
 - (2) Explain deadlock recovery.
- (C) Attempt Any One : 3
- (1) Differentiate user level thread vs. kernel level thread.
 - (2) Explain SJF scheduling algorithm.
- (D) Attempt Any One : 5
- (1) Describe various state of process.
 - (2) Explain different types of OS.

- 2 (A) Attempt following questions : 4
- (1) What is standard input?
 - (2) FIFO stands for _____
 - (3) LRU stands For _____
 - (4) Define file.
- (B) Attempt Any One : 2
- (1) Explain File structure.
 - (2) Describe Demand Paging.
- (C) Attempt Any One : 3
- (1) Explain swapping in detail.
 - (2) Explain Paging in detail.
- (D) Attempt Any One : 5
- (1) Explain types of page replacement algorithms.
Explain any one in details.
 - (2) List out Directory Structure and explain any one.
- 3 (A) Attempt following questions : 4
- (1) _____ command is display list of currently logged in users.
 - (2) Define linux command syntax.
 - (3) Use of passwd command.
 - (4) _____ command is delete file.
- (B) Attempt Any One : 2
- (1) Define mkdir command.
 - (2) Define ls command.

- (C) Attempt Any One : **3**
- (1) Explain various use of Cat command with example
 - (2) Explain chmod and head command with example.
- (D) Attempt Any One : **5**
- (1) Explain file and directories in detail.
 - (2) Explain mv, script and wc command with example.
- 4 (A) Attempt following questions : **4**
- (1) GREP stands for _____
 - (2) Which command is used to join two file?
 - (3) _____ command is used to display contain as an octal number?
 - (4) Use of PS command.
- (B) Attempt Any One : **2**
- (1) Define kill.
 - (2) Define sleep.
- (C) Attempt Any One : **3**
- (1) Explain cmp and comm with example.
 - (2) Explain cut and paste with example.
- (D) Attempt Any One : **5**
- (1) Explain tr and sed command with example.
 - (2) Explain grep and join command with example.

- 5 (A) Attempt following questions : 4
- (1) Define news command.
 - (2) Which command used to save vi file?
 - (3) How to delete current line ?
 - (4) How to create vi file?
- (B) Attempt Any One : 2
- (1) Define write command.
 - (2) Define talk command.
- (C) Attempt Any One : 3
- (1) Explain for loop with its argument.
 - (2) Explain echo and read command with example.
- (D) Attempt Any One : 5
- (1) Explain various VI editor mode.
 - (2) Explain different operators with proper example.
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