



MBQ-003-0072004 Seat No. _____

M. C. A. (Sem. II) (CBCS) Examination

April / May - 2018

**Paper-2040 : Operating System & Linux
Programming**

(New Course)

Faculty Code : 003

Subject Code : 0072004

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

[Total Marks : 70

- 1 (A) Objective Type Questions : 4
- (1) OS is a _____ Software.
 - (2) Which is the first program run on computer when the computer boots up ?
 - (3) MS-DOS is multitasking Operating System.
[True or False]
 - (4) In Distributed System have more than one Processor.
[True or False]
- (B) Answer the following : (any **one**) 2
- (1) Definition : Operating System.
 - (2) What is Multiprocessor System.
- (C) Attempt the following : (any **one**) 3
- (1) Explain Criteria for Deadlock arise.
 - (2) Explain Real Time System.
- (D) Answer in Brief : (any **one**) 5
- (1) Explain States of Process.
 - (2) Write a note on User Threading Model.
- 2 (A) Objective Type Questions : 4
- (1) Which one of the address generated by CPU ?
 - (2) Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called _____.
 - (3) Program always deals with _____ address.
 - (4) In segmentation, each address is specified by _____.

- (B) Answer in brief : (any **one**) 2
 (1) Definition : Demand Page.
 (2) What is Swapping in memory management ?
- (C) Answer in detail : (any **one**) 3
 (1) Explain Continues Memory allocations.
 (2) Explain Virtual memory in detail.
- (D) Answer the following : (any **one**) 5
 (1) Explain File System in Linux.
 (2) Explain Piping in detail.
- 3** (A) Objective Type Questions : 4
 (1) What command is used to remove file ?
 (2) _____ Command used to count number of character in a file is.
 (3) The permission -rwxr-r- represented in octal expression will be _____.
 (4) Which command is used to sort the lines of data in a file in reverse order ?
- (B) Answer the following : (any **one**) 2
 (1) Explain is command.
 (2) Explain command for move and copy file.
- (C) Answer in detail : (any **one**) 3
 (1) Explain commands that head, tail and date command.
 (2) Explain User and Group Command in detail.
- (D) Answer in Brief : (any **one**) 5
 (1) Explain Search, Login Detail command in detail with example.
 (2) Explain online help, clear in detail with example.
- 4** (A) Objective Type Questions : 4
 (1) Host specific configuration files are installed in _____ directory.
 (2) Kernel modules are present in _____ directory.
 (3) Which of these commands could you use to show one page of output at a time ?
 (4) pwd command displays _____.

- (B) Answer in brief : (any **one**) 2
 (1) Definition : Background Process.
 (2) What is process priority ?
- (C) Answer in detail : (any **one**) 3
 (1) Explain process to sleep in detail.
 (2) Explain finding pattern in detail.
- (D) Answer the following : (any **one**) 5
 (1) Explain egrep and fgrep command with example.
 (2) Explain cmp, diff and tr command with example.
- 5** (A) Objective Type Questions : 4
 (1) Which command is used to close the vi editor ?
 (2) In vi editor, the key combination CTRL+F is _____.
 (3) Which command is used to delete the character before the cursor location in vi editor ?
 (4) Which vi editor command copies the current line of the file ?
- (B) Answer in brief : (any **one**) 2
 (1) Explain write command.
 (2) Explain news command
- (C) Answer in detail : (any **one**) 3
 (1) Explain finger command in detail with example.
 (2) Explain mail command in detail with example.
- (D) Answer the following : (any **one**) 5
 (1) Write a note on vi editor in detail.
 (2) Explain Command line arguments in shell script with example.