



MAZ-003-003404 Seat No. _____

B. C. A. (Sem. IV) (CBCS) Examination

March / April - 2018

CS - 22 : Operating System Concepts with Unix/Linux
(Old Course)

Faculty Code : 003

Subject Code : 003404

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

[Total Marks : 70

1 Write answer in one or two statements : 20

- (1) _____ is initial state of job.
- (2) _____ developed Linux.
- (3) For help of any command in Linux, we can use _____ command.
- (4) _____ is used to terminate the switch case.
- (5) Which command is used to create a file?
- (6) Which command is used to count no. of words, line and chars of a file?
- (7) _____ is command language interpreter.
- (8) _____ statement is used to get input from user in shell script.
- (9) LILO stands for _____
- (10) Give the full form of JCL.
- (11) _____ shell parameters return positional parameters as string.
- (12) Which command displays the information about the active processes?
- (13) _____ command is used to connect with remote system.

- (14) Which command display the simple calendar?
- (15) _____ command is useful to compare two sorted file line by line.
- (16) GREP stands for _____
- (17) _____ option in VI editor quit without saving changes.
- (18) _____ option delete the current line in VI editor.
- (19) If umask is _____ it indicates that all read write permissions are removed.
- (20) _____ create a symbolic link of the file.

- 2** (A) Attempt any **three** : **6**
- (1) What is OS?
 - (2) Explain features of Unix.
 - (3) What is Paging?
 - (4) Explain FCFS with example.
 - (5) Explain RealTime Operating System.
 - (6) Explain bc command.
- (B) Attempt any **three** : **9**
- (1) Explain Batch OS.
 - (2) Explain tee command.
 - (3) Explain head and tail command.
 - (4) Explain Operators in Unix.
 - (5) Write a note on loop in Unix.
 - (6) Explain types of file.
- (C) Attempt any **two** : **10**
- (1) Explain IO Redirection and Piping.
 - (2) Explain Round Robin Scheduling.
 - (3) Write a note on File Permission in Unix.
 - (4) Explain Positional Parameters in detail.
 - (5) Write a note on case statement in Unix.

- 3** (A) Attempt any **three** : **6**
- (1) Explain ls command.
 - (2) Explain pwd and cp command.
 - (3) Explain finger command.
 - (4) Explain comm command.
 - (5) Explain kill command.
 - (6) Explain diff command.
- (B) Attempt any **three** : **9**
- (1) Explain Continuous Memory Allocation.
 - (2) Explain Virtual Memory using Paging.
 - (3) Explain Vi Editor.
 - (4) What is Shell? Explain types of Shell.
 - (5) Explain Process State Transition.
 - (6) Discuss Multiprocessing and Multitasking OS
- (C) Attempt any **two** : **10**
- (1) Write script to find given number is even or odd.
 - (2) Write script to find factorial number.
 - (3) Write script to compare two file.
 - (4) Write script to input 3 numbers and calculate total and average.
 - (5) Write script to print 1 to 10.
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