

(i) Printed Pages : 3

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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**B.A./B.Sc. (General) 6th Semester
(2040)**

COMPUTER APPLICATION

Paper—CA-12 : Working with Linux

Time Allowed : Three Hours

[Maximum Marks : 30

Note: Attempt 50% of Total Questions of Question Paper. Time: 2 Hour
All will carry equal marks. Fraction will be lower digit.

SECTION—A

1. (a) What are environment variables in Linux ? Why these are important to Linux ? 2
- (b) Explain input and output redirection with suitable examples. 2
- (c) What is a process ? Explain any three process management commands with the help of suitable examples. 2
2. Explain the following in the context of Linux :
 - (a) Wildcard Characters 2
 - (b) tee command 2
 - (c) sort-d command 2

SECTION-B

3. (a) How will you list all files in current directory whose second character is a digit ? 2
(b) What are different directory permissions ? How will you change the ownership of a file ? 2
(c) What is the difference between absolute and relative file name ? 2
4. (a) List important directories in the Linux file system and their purpose. 2
(b) Write a command to search all lines in a file which do not end with a semicolon. 2
(c) How will you check the contents of a file ? 2

SECTION-C

5. (a) What is the difference between while and until statements ? Explain with the help of shell program. 3
(b) List important features of vi-editor. 3
6. (a) Discuss case construct with the help of a shell script. 3
(b) What is shift command ? Explain with the help of an example. 3

SECTION-D

7. (a) What are the different tasks performed by the system administrator ? 2
(b) How will you mount a floppy disk ? 2
(c) Discuss various utilities used for checking the file systems. 2

8. As a Linux System Administrator, how do you perform the following :
- (a) Setting the Login message 3
(b) Compressing files ? 3

SECTION-E

(Compulsory Question)

9. (a) What is the purpose of grep command ? 1
(b) What is the difference between ls-a and ls-al command ? 1
(c) What is a process ? How will you terminate a process ? 1
(d) What is a regular expression ? 1
(e) How will you search and replace text in vi-editor ? 1
(f) What is a weak password ? How will you create a strong password ? 1