

**B.C.A. DEGREE END SEMESTER EXAMINATION - OCTOBER/NOVEMBER 2018****SEMESTER –1: BACHELOR OF COMPUTER APPLICATIONS - BCA (CORE COURSE)****COURSE: 16U1CRBCA3 – INTRODUCTION TO LINUX**

*(Common for Regular 2018 admission and improvement 2017/ supplementary 2017/2016 admission)*

Time: Three Hours

Max. Marks: 75

**SECTION A**

*Answer **all** questions. Each question carries 1 mark*

1. Which command is used to create A Linux installation boot floppy?
2. What is rpm command?
3. What is the purpose of rmdir command?
4. What is command prompt in shell?
5. What command is used to display the top of the file?
6. Which is the user account present by default in all Linux installations?
7. State the difference between who and whoami command.
8. Define mounting.
9. Explain the following commands
  - i) grep
  - ii) awk
10. Define Process States. (1 x 10 = 10)

**SECTION B**

*Answer **any Eight** questions. Each question carries 2 marks*

11. Explain the features of Unix and Linux operating system.
12. How can we compare two files in Linux?
13. What is the use of lpq command?
14. What is the use of pipe operator?
15. What is the difference between commands cp and mv?
16. What is the difference between \$\* and \$@?
17. How to create groups using shell commands?
18. What do you mean by context of a Process?
19. What is the use of case statement in shell program?
20. What are shell keywords? (2 x 8 = 16)

**SECTION C**

*Answer **any Five** questions. Each question carries 5 marks*

21. Explain the basic architecture of Linux system.
22. How is chown different from chgrp when it comes to ownership?
23. Explain Process states and transitions with the help of a diagram.
24. Write short note on Mounting and Unmounting file systems.

- 25. Explain the features of RPM and debian of Linux system
- 26. What are the various printing commands available in Linux ? Explain.
- 27. What are the different modes of operation in vi editor? (5 x 5 = 25)

**SECTION D**

*Answer **any Two** questions. Each question carries **12** marks*

- 28. Explain in detail about the various File Processing Commands.
- 29. Explain about the UNIX file system.
- 30. What are the different roles assigned to the System Administrator?
- 31. Describe various security and permission mechanisms in Linux. (12 x 2 = 24)

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