Reg. No. :

Question Paper Code:49818

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2018

Elective

Information Technology

14UIT918 – FOSS FOR ENTERPRISE APPLICATIONS

(Regulation 2014)

Duration: Three hours   Maximum: 100 Marks

PART A - (10 x 1 = 10 Marks)

(Answer all Questions)

1. File name that handle interrupts in Linux is   CO1-R

    (a) Access file   (b) Control file   (c) Interrupts file   (d) Proc Interrupts file

2. Kernel modules are present in   CO1-R

    (a) /lib directory   (b) /root directory   (c) /boot directory   (d) none of the options

3. The dmesg command   CO2-R

    (a) user login logoff attempts   (b) syslog file for info messages

    (c) kernel log messages   (d) Shows the daemon log messages

4. A header in CGI script can specify   CO2-R

    (a) Format of the document   (b) New location of the document

    (c) Both a and b   (d) start of the document

5. Which key, when pressed once, is used to provide command completion at the command line?   CO3-R

   (a) Tab   (b) Esc   (c) Enter   (d) Ctrl

6. The _____ command is used to view a snapshot of the processes running on a system.   CO3-R

   (a)ps   (b) fc   (c)ls   (d)etc

7. sed is _____   CO4-R

   (a) a non-interactive stream editor   (b) an IDE

   (c) a hex editor   (d) none of the options

8. Which command searches the string in file opened in vi editor?   CO4-R

   (a) / or ?   (b) f or F   (c) t or T   (d) none of the options

9. Which command is used to set terminal IO characteristic?   CO5-R

   (a) tty   (b) ctty   (c) ptty   (d) stty

10. Which command is used to display the operating system name   CO5-R

   (a) os   (b) unix   (c) kernel   (d) uname

<center>PART – B (5 x 2= 10Marks)</center>

11. Explain the dynamic libraries in linux.   CO1- Ana

12. What is a Lamp Host?   CO2- R

13. List the various Graphics File Formats.   CO3- R

14. Describe Cron Job.   CO4- U

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15. What is the use of Bug Tracker? CO5- R

PART – C (5 x 16= 80Marks)

16. (a) Explain GNU/LINUX Architecture in detail. CO1- Ana (16)

Or

(b) Illustrate Makefile for following scenarios. CO1- App (16)

 (i) Variable Concatenation

(ii) Variable Manipulation

(iii) Output from the Makefile

(iv) Simple Variable Makefile.

17. (a) Install and configure the setup of Lamp server using Apache configuration files and explain how to customize the setup for developing a college website. CO2- App (16)

Or

(b) Develop an online learning portal with tutorials and tests to evaluate the student's performance using CGI Scripts. CO2- App (16)

18. (a) Explain how to read the details entered in an online form using Character Access mechanisms. CO3- Ana (16)

Or

(b) Develop an Editor for Employee Database Table Relation Diagrams using Dia. CO3- App (16)

19. (a) Write a program using bash shell scripts for the following CO4- App (16)

 (i) Identify String Length inside Bash Shell Script

(ii) Extract a Substring from a Variable inside Bash Shell Script

(iii) Shortest Substring Match

(iv) Longest Substring Match

(v) Find and Replace String Values inside Bash Shell Script

Or

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(b) Explain the processing of text using sed and awk scripts. CO4- Ana (16)

20. (a) List and describe basic clauses of some free and open source CO5- C (16)
   licenses software to build Online Inventory Management.

Or

(b) Define Bug Tracker. Explain about the professional bug tracking CO5- C (16)
   tools used in Open Source for Online Hotel Management.