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Question Paper Code: 49818

B.E./B.Tech. DEGREE EXAMINATION, NOV 2019

Elective

Information Technology

14UIT918 – FOSS FOR ENTERPRISE APPLICATIONS

(Regulation 2014)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Kernel modules are present in CO1- R
(a) /lib directory (b) /root directory (c) /boot directory (d) none of the options
2. Which of the following are the true functionalities of a kernel? CO1- R
(a) Allocates time and memory to programs (b) Authenticates user
(c) Interprets commands (d) All of the above
3. 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
4. _____function is used to pick one or more random values CO2- R
from PHP Array.
(a) array_rand() (b) array_random() (c) Random_array() (d) Rand_array().
5. Which of the following is not an Open Office application? CO3- R
(a) Writer (b) Jarte (c) Base (d) Impress
6. FILE reserved word is? CO3- R
(a) A structure tag declared in stdio.h (b) One of the basic data types in c
(c) Pointer to the structure defined in stdio.h (d) It is a type name defined in stdio.h

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 of these is NOT a valid variable in bash CO4- R
 (a) ___ (b) _lvar (c) _var_ (d) some-var
9. Intellectual Property Rights (IPR) protect the use of information and ideas that are of _____ CO5- R
 (a) Ethical value. (b) Moral value
 (c) Social value (d) Commercial value
10. Patent is a form of CO5- R
 (a) Tangible Property (b) Intellectual Property
 (c) Industrial property (d) Both (b) and (c)

PART – B (5 x 2= 10Marks)

11. Depict the stages of compilation with GNU compiler. CO1- R
12. Give the uses of automake and autoconf. CO2- R
13. Give the syntax to open a file and list out the modes of opening a file. CO3- R
14. Describe Cron Job. CO4- R
15. Mention any five version control systems reviewed in Linux.. CO5- R

PART – C (5 x 16= 80Marks)

16. (a) Illustrate Makefile for following scenarios. CO1-U (16)
 (i) Variable Concatenation
 (ii) Variable Manipulation
 (iii) Output from the Makefile
 (iv) Simple Variable Makefile.
 Or
- (b) Explain about Building and Using Shared Libraries using example program. CO1-U (16)
17. (a) Write a CGI program that reads the numerical value stored in the file, increments it, and writes the new information back to the file and outputs it CO2- App (16)
- Or
- (b) Describe the components and architecture of LAMP Server. CO2- U (16)

18. (a) Write a program using file API's to read a structured data. CO3-App (16)
Or
(b) Describe in detail the various ways to select objects using Dia. CO3-App (16)
19. (a) Explain conditional structures of bash. CO4- U (16)
Or
(b) Explain the processing of text using sed and awk scripts. CO4- U (16)
20. (a) Create a wiki on your Linux desktop using open source tool CO5- U (16)
Or
(b) Explain version control system in detail. CO5- U (16)

