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Question Paper Code: 49818

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

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. In open source software: CO1- R
 - (a) The GPL allows anybody to modify the software and release it commercially
 - (b) The GPL allows software that is modified to be released as closed source software
 - (c) The GPL only prohibits unmodified software from being commercially repackaged
 - (d) The GPL ensures that all subsequent versions of a software remains open source
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) a and b both
 - (d) Start of the document
4. _____function is used to pick one or more random values from PHP Array. CO2- R
 - (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. Which of these is NOT a valid variable in bash CO4- R
- (a) __ (b) _1var (c) _var_ (d) some-var
8. To limit the amount of space core dumps may occupy use CO4- R
- (a) climit (b) ulimit (c)quota (d) ~/.ulimit
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
How to install Apache Web server?
12. CO2-R
13. What is the difference between sequential access and direct access to access information in a file? CO3- R
14. What are the different types of commonly used shells on a typical linux system? CO4- R
15. Mention any five version control systems reviewed in Linux.. CO5- R

PART – C (5 x 16= 80Marks)

16. (a) Describe in detail Linux Kernel Architecture with neat diagram. CO1-U (16)
- Or
- (b) Explain about Building and Using Shared Libraries using example program. CO1-U (16)
17. (a) Configure the install setup for Apache to run the LAMP Server. CO2- App (16)
- Or
- (b) Describe the components and architecture of LAMP Server. CO2- U (16)

18. (a) Write an example for showing thumbnail of user-selected images using file API. CO3-App (16)
- Or
- (b) Describe in detail the various ways to select objects using Dia. CO3-U (16)
19. (a) Write a program to choose a favorite beverage of a customer using bash script. CO4- U (16)
- Or
- (b) (i) List and explain in short the essential sed commands. CO4- U (8)
- (ii) Brief about text processing using awk. CO4- U (8)
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)

