Reg. No. :

Question Paper Code: 49818

B.E./B.Tech. DEGREE EXAMINATION, SEP 2020

Elective

Information Technology

14UIT918 – FOSS FOR ENTERPRISE APPLICATIONS

(Regulation 2014)

Duration: One hour   Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following Questions)

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. On the upper layer of SSL, a protocol for initial   CO2-R
   authentication and transfer of encryption keys, called the

   (a) SSL handshake protocol   (b) SSL authentication protocol

   (c) SSL record protocol   (d) SSL cipher protocol

4. Common Gateway Interface (CGI) is which of the following?   CO2- R

   (a) An interface that accepts and returns data that may be written in SQL.

   (b) An interface that accepts and returns data that may be written in any language that
       produces an executable file.

   (c) A small program that executes within another application and is stored on the server.

   (d) A small program that executes within another application and is stored on the client.

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. The print and printf statements can be told to send their output to other   CO4- R
   place except standard output, is called

   (a) redirection   (b) redistribution   (c) reinsertion   (d) reprint

9. The exclusive rights that apply to copyright owners include the right   CO5- R
   of:

   (a) Public distribution of the work.   (b) Reproduction of the work.

   (c) Preparation of derivative works.   (d) All of the above.

10. Patent is a form of   CO5- R

   (a) Tangible Property   (b) Intellectual Property

   (c) Industrial property   (d) Both (b) and (c)

PART – B (3 x 8= 24 Marks)

(Answer any three of the following Questions)

11. Describe in detail Linux Kernel Architecture with neat diagram.   CO1-U   (8)

12. Describe the components and architecture of LAMP Server.   CO2- U   (8)

13. Write a program using file API's to read a structured data.   CO3- U   (8)

14. Explain conditional structures of bash.   CO4- U   (8)

15. Elaborate on dual licensing scheme in detail.   CO5- U   (8)