Q.21 Define the basic components of Linux?

Q.22 Write a note on FTP?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x8=16)

Q.23 Write a short note on

i)   Linux architecture

ii)   History of Linux

Q.24 Write a note on File ownership & File permissions in Linux?

Q.25 Write a short note on

i)   Telnet & FTP

4th Sem./ Artificial Intelligence & Machine Learning

Subject : Linux and Its Application

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (6x1=6)

Q.1   What is the core of the Linux operating system?

a)   Vi Editor   b)   Command Line

c)   Terminal   d)   Kernel

Q.2   Identify the OS which is not based on Linux

a)   Ubuntu   b)   BSD

c)   CentOS   d)   Red Hat

Q.3   Which command is used to change the persmission of a file?

a)   chmod   b)   ch

c)   chown   d)   chgrp?

Q.4 What is an absolute pathname?

a) pathname relative to a parent directory

b) pathname relative to the root (/)

c) pathname relative to parent and current directory

d) pathname relative to the current direct

Q.5 Which command permits to schedule jobs for later execution, as soon as the system load permits?

a) at   b) %

c) batch   d) cron

Q.6 A software coding of which is available freely on internet and is open for users for further use and improvement and which is generally developed in a collaborative manner is called?

a) Unlicensed Software

b) Open Source Software

c) Free Software

d) Community Software

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 What is Linux?

Q.8 Define Shell?

Q.9 Differentiate between mkdir & rmdir linux commands?

Q.10 What is the difference between process and program?

Q.11 Define File Permission in Linux?

Q.12 Write a linux command to create a new process?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What is the purpose of the ping command in Linux?

Q.14 Explain the basic features of the Linux OS?

Q.15 Differentiate between CLI & GUI?

Q.16 List down atleast four linux file management commands with their use.

Q.17 Write a shell program to finds the average of three numbers.

Q.18 What is the difference between a process and a thread.

Q.19 Write the advantages of disadvantages of Open Source Software

Q.20 Write a note on Firewall?