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   Which among the following interacts directly with system hardware?

a)   Shell   b)   Command

c)   Kernel   d)   Application

Q.2   Unix is which kind of Operating System?

a)   Multi User   b)   Multi Processes

c)   Multi Tasking   d)   All of the mentioned

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

a)   Chmod   b)   ch

c)   chown   d)   chgrp

SECTION-D

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

Q.23   Write a note on Linux Operating System? Also describe the history of Linux OS?

Q.24   What is shell script? How it is different from C Programming language

Q.25   Write a short note on Telnet & Firewall

Q.4 What is group ownership?

a) Group of users who can access the file

b) Group of users who can create the file

c) Group of users who can edit the file

d) Group of users who can delete the file a)

Q.5 Which command is used for printing the current working directory?

a) home   b) cd

c) pwd   d) dir

Q.6 Choose the TCP/IP Protocol which is used for remote terminal connection service?

a) FTP   b) UDP

c) RARP   d) Telnet

SECTION-B

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

Q.7 What is Linux?

Q.8 Elaborate Read permission in Linux?

Q.9 Differentiate between cat & Is linux commands?

Q.10 What is process?

Q.11 Write any two linux distributions?

Q.12 Write a command to stop a process in linux?`

SECTION-C

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

Q.13 What are the basic features of the Linux OS?

Q.14 What is user interface? How CLI differ from GUI

Q.15 List down at least four linux directory management commands with their use.

Q.16 Write a shell program to finds the sum of three numbers?

Q.17 What are the various types of Processes in Linux?

Q.18 What is the difference between cpio and tar in linux?

Q.19 Write a note on FTP?

Q.20 Define the basic components of Linux?

Q.21 What is the purpose of the ping command in Linux?

Q.22 Write a note of Firewall?