MS – 537

IV Semester B.C.A. Degree Examination, May/June 2014
(Scheme : Y2K8)
COMPUTER SCIENCE
BCA 406 : Unix Programming
F + R – 70 – 2012-13 and Onwards
R – 60 – Prior to 2012-13

Time : 3 Hours Max. Marks : 60/70

SECTION – A

Answer **any ten** questions : **(10×1=10)**

1. What are the two different types of UNIX Command ?
2. List the different parts of a UNIX file system.
3. Which is the process which cannot be killed using the Kill command ?
4. What is UID ?
5. What is the function of ulimit command ?
6. What is interrupt ?
7. What is the use of Sort command in UNIX ?
8. What is shell programming ?
9. Give the usage of PS1 ?
10. What are the positional parameters ?
11. What is the function of write command ?
12. What is the function of boot block ?

SECTION – B

Answer **any five** questions : **(3×5=15)**

13. What are the features of UNIX operating system ?
14. Explain any 2 commands of processing scheduling command.
15. Explain unmounting of file system in UNIX.
16. Explain the concept of piped process.
17. Explain the different types of Shells in UNIX.

P.T.O.

18. Write a shell program to find whether the given year is Leap year or not.
19. Explain with an example-finger command.
20. Explain any 3 duties of a system administrator.

SECTION – C

Answer **any five** questions : **(5×7=35)**

21. Explain with neat diagram, the UNIX system architecture.
22. Explain the different blocks in a file system.
23. Explain the different types of a process in UNIX Systems.
24. Explain the df and mr commands ? Give example.
25. What is a Filter ? Explain the Filter commands with examples.
26. Describe the compression and decompressing techniques of files in UNIX.
27. Write a shell program to print all prime numbers between m and n (m < **n**).
28. Explain the following :
    a) Super user privileges. b) TAR command.

SECTION – D

Answer **any one** question : **(1×10=10)**

29. Explain the different loop control structures and if statements with example.
30. Write a shell script to assign a file access permission to a given file using :
    a) Symbolic mode b) Absolute mode.