

B.C.A. IV Semester Examination, March 2011
UNIX AND SHELL PROGRAMMING

Time : 3 Hours

Max. Marks : 80

***Instruction** : From Part – A 1 to 8 questions carry 1 mark and 9 to 14 questions carry 2 marks, from Part – B each question carries 5 marks and from Part – C each question carries 10 marks.*

PART – A

I. Answer all the questions :

- 1) What is Shell ?
- 2) What is chmod Command ?
- 3) List any two file Extension used in UNIX.
- 4) What is CPU Scheduling ?
- 5) What is Turnaround Time ?
- 6) Give syntax to copy the files in same directory using cp command.
- 7) Name the command used to print the file.
- 8) Define System administration.
- 9) What is Bootstrapping ?
- 10) Mention different insert command.
- 11) What is Relative naming ?
- 12) Mention different Meta characters used in UNIX.
- 13) Mention different built-in shell variables.
- 14) Mention different sorting and searching commands in Shell Script.

P.T.O.

PART – B

II. Answer **any six** questions :

- 1) Explain the History of UNIX Operating System.
- 2) Explain the characteristics of UNIX.
- 3) What is umask command ? Explain with an example.
- 4) Explain cat and echo commands to create files with an example.
- 5) Explain the command used to change text around.
- 6) Why Shell Script is required ? Explain.
- 7) Explain while and for loop with an example.
- 8) Explain the tasks of System administrator.

PART – C

III. Answer **any three** questions :

- 1) Explain different CPU scheduling with an example.
 - 2) Explain the following commands :
 - i) cp.
 - ii) rm.
 - iii) diff.
 - iv) find.
 - v) grep.
 - 3) Explain different external commands used in Shell script.
 - 4) Explain the method for shutdown and rebooting in UNIX.
 - 5) Explain different types of files in UNIX.
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