

Roll No.

SET/CSE/BCA/DSE-4A3

B. C. A. (Sixth Semester) EXAMINATION, 2019

(New Course)

UNIX AND SHELL PROGRAMMING

Time : Two Hours]

[Maximum Marks : 70

Note : Attempt any *five* questions (out of seven questions) from Section A and *three* questions (out of six questions) from Section B.

Section—A

Note : Attempt any *five* questions. Each question carries 5 marks.

1. Write the purpose of 5 basic UNIX commands.
2. Define redirection briefly.
3. Explain pipes and filters.
4. What is meant by UNIX utilities grep and sed ? Explain briefly.
5. Define kernel and shell in Unix architecture briefly.
6. Explain briefly processes and time sharing files in Unix.
7. Explain while and until loops with example.

Section—B

Note : Attempt any *three* questions. Each question carries 15 marks.

1. Explain the system manager OLE briefly. Also list its various functions.
2. What is meant by debugging language development ? What are the different print formatting UNIX tools ?
3. What are the shell meta characteristics ? Explain briefly. Also explain what is meant by shell archive.
4. Explain briefly restricted shell. Also explain ROLC program.
5. Briefly explain file handling with example. Also explain what is meant by command line parameters with example.
6. Write short notes on the following :
 - (a) Shell variables and scripts
 - (b) Standard I/O package
 - (c) Array job control