

Roll No. ....

**P-996**  
**SET/CSE/BCA/DSE-4A3**

**B. C. A. (Sixth Semester)**  
**EXAMINATION, 2022**

**(New Course)**

**UNIX AND SHELL PROGRAMMING**

*Time : Two Hours ]*

*[ Maximum Marks : 70*

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

(ii) Answer each question of Section A within 50 words.

(iii) Limit your answers within the given answer book. Additional answer book (B-Answer book) should not be provided or used.

**Section—A**

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

1. List *five* basic UNIX commands with syntax and their use.

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2. Explain redirection briefly.
3. Explain tees and filters.
4. Explain piping in detail.
5. Explain briefly UNIX utilities grep and sed.
6. Explain if and case statements with example.
7. Explain kernel and shell briefly.

**Section—B**

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

1. Explain briefly Bourne and C shells. Also list the various shell variables.
2. Explain briefly system manager OLE. Also list its various functions.
3. Explain debugging language development. Also explain the different print formatting UNIX tools.
4. Explain shell meta characteristics in detail. Also explain briefly idea about restricted shell.
5. Explain briefly command aliasing. Also explain array job control.
6. Write short notes on the following :
  - (a) ROLC program
  - (b) Shell archive
  - (c) Shell facilities