



RAN-2011000105020001

T. Y. BCA (Sem. - V) Examination October - 2025
Unix and Shell Programming - OLD (Paper - 502)

Time: 3 Hours]

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book.

Seat No.:

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Student's Signature

SET - 2

- Q. 1. Answer Following questions (any 7) (14)**
1. What is use of wc command?
 2. Explain kill command.
 3. List out various symbols used with redirection.
 4. How do you display the current working directory?
 5. Explain the purpose of pipes (|) in Unix.
 6. How do you create a new directory?
 7. What is a Unix shell?
 8. How to set line numbers in vi editor?
- Q. 2. Answer following questions (any 2) (14)**
1. Explain i-node structure in detail.
 2. Explain booting sequence of Unix OS.
 3. Explain numeric and string tests with test command with examples.
- Q. 3. Do as directed. (07)**
- A.** Write a note on absolute and relative file permission with chmod command. (07)
- OR**
- Write an awk program to print file in reverse. Last line should be displayed first and so on.
- B.** Write a note on grep command with its options. Give examples. (07)
- Q. 4. Answer Following Questions (any 2) (14)**
1. Explain any 3 functions of awk with help of examples.
 2. Write a note on ls command with its options. Give examples.
 3. Explain features of Unix.
- Q. 5. Do as directed (07)**
- A.** Write a note on find command. Explain in detail. (07)
- OR**
- Explain the Unix file system hierarchy and describe the purpose of at least five key directories.

B. Attempt following queries.

(07)

1. Count number of characters in last 3 lines of file x1.
 2. Delete all : from file x2.
 3. Display all lines having exact 70 characters in file x2.
 4. Replace unix with unix-architecture using remembered pattern.
 5. Locate all lines that end with 'Mumbai' from file x1.
 6. Go to home directory from your current directory.
 7. Locate all filenames in current directory having exactly 4 digits in filename.
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