

FACULTY OF ENGINEERING & TECHNOLOGY  
 S.E(CSE/IT) Examination – JAN – 2015  
 Unix and Shell Programming (Revised)

[Time: Three Hours]

[Max. Marks: 80]

“Please check whether you have got the right question paper.”

- N.B** 1) Question No.1 from section A and question No.6 from section B are compulsory.  
 2) Solve any two from remaining questions from each section.

SECTION A

- |           |  |    |
|-----------|--|----|
| Q.1       | Describe any five  | 10 |
|           | i) Shell   |    |
|           | ii) tee  |    |
|           | iii) PIPE  |    |
|           | iv) wc-command   |    |
|           | v) bg and fg command   |    |
|           | vi) shell variable   |    |
|           | vii) date  |    |
| Q.2       | A) Describe the architecture of UNIX OS.                                     | 07 |
|           | B) Explain different types of files in UNIX.                                 | 08 |
| Q.3       | A) Describe different modes of vi-editor.                                    | 08 |
|           | B) Explain LS command with its option and give suitable example.             | 07 |
| Q.4       | A) How user can change file permission using Relative and absolute manner?   | 08 |
|           | B) Explain ps command with its option & give suitable example.               | 07 |
| Q.5       | A) Explain links [soft/hard] in detail.                                      | 08 |
|           | B) Differentiate between absolute pathnames examples.                        | 07 |
| SECTION B |  |    |
| Q.6       | Describe any five  | 10 |
|           | i) BEGIN & END section in awk  |    |
|           | ii) Chop function in perl  |    |
|           | iii) Pr  |    |
|           | iv) Head   |    |
|           | v) Sort  |    |
|           | vi) Uniq   |    |
|           | vii) Set-command in shell  |    |
| Q.7       | A) Explain grep-command with its option and give suitable example.           | 08 |
|           | B) Explain case command in shell? Write shell script to demonstrate it.      | 07 |
| Q.8       | A) Describe sed- command for line addressing and pattern (content) matching. | 08 |
|           | B) Write a shell script to demonstrate the use of file test operator.        | 07 |
| Q.9       | A) Explain splice and sprit function in perl with example.                   | 08 |
|           | B) Write a perl script to demonstrate the use of for each loop in perl.      | 07 |
| Q.10      | A) Explain cut-command with its option and give suitable example.            | 08 |
|           | B) Explain built in function in awk with example.                            | 07 |