

SUBJECT CODE NO:- P-108
FACULTY OF ENGINEERING AND TECHNOLOGY
S.E.(CSE/IT) Examination May/June 2017
Unix & Shell Programming
(Revised)

[Time: Three Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

- N.B
- Question 1 & 6 are compulsory
 - Attempt any two questions from Question No.2 to 5 and any two questions from Question No.7 to 10.

Section A

- Q.1 Attempt any Five 10
i) What is process?
ii) Explain use of 'WC' command
iii) Explain 'MV' & 'CP' command
iv) What is zombie?
v) Explain 'man' & 'appropos' command
vi) Define term Escaping.
vii) Write about 'passwd' & 'pwd' command
- Q.2 a) Explain 'ls' command with its all options 08
b) Explain Unix architecture with neat diagram 07
- Q.3 a) Explain command structure with command types? Describe the flexibilities of command usage 08
b) Write short note on navigation in Vi editor 07
- Q.4 a) How to locate a file? What are selection criteria's used for locating files? Give suitable example 08
b) Explain various environment variables 07
- Q.5 a) Explain tree structure of Unix File System. 08
b) Explain the mechanism of process creation 07

Section B

- Q.6 Attempt any Five 10
i) set command
ii) What is sticky bit? How to set sticky bit?
iii) Explain 'head' & 'tail' command
iv) Explain 'chop' function?
v) Explain 'Expr' command
vi) Explain 'awk' 'split ()' function
vii) What is use of tr-command
- Q.7 a) Write short note on 'grep' 08
b) What are basic regular expression symbols in shell? 07

- Q.8 a) How do you test file properties? Explain with suitable example 08
b) Write a shell script to perform various operations on string and explain all string comparison operators 07
- Q.9 a) Write short note on 'awk' inbuilt variables. 08
b) Explain 'cut' and 'paste' filters with suitable example. 07
- Q.10 a) What is perl associative array? Give example of script which uses same. 08
b) Explain 'split ()' and 'join ()' functions in perl. Give suitable examples 07