

Code No: **RT42024B****R13****Set No. 1****IV B.Tech II Semester Regular/Supplementary Examinations, April - 2018****UNIX AND SHELL PROGRAMMING****(Electrical and Electronics Engineering)****Time: 3 hours****Max. Marks: 70***Question paper consists of Part-A and Part-B**Answer ALL sub questions from Part-A**Answer any THREE questions from Part-B************PART-A (22 Marks)**

1. a) List and explain the commands that do not accept any arguments. [4]
b) Explain about nl command. [3]
c) Define file system. [3]
d) Write applications of awk. [4]
e) Why shell scripting? [4]
f) Explain about C shell. [4]

PART-B (3x16 = 48 Marks)

2. a) Explain about the UNIX architecture. [8]
b) Describe the following commands: (i) script (ii) more (iii) tar (iv) mount. [8]
3. a) What are process utilities? Explain in detail. [8]
b) Explain about unlink, unmask and rlogin with examples. [8]
4. a) Discuss about directory API. [8]
b) What is redirection? Explain three redirection operator with an example shell script. [8]
5. a) Discuss about string functions and mathematical functions. [8]
b) Explain in detail about grep family. [8]
6. a) Describe environmental variables in Korn shell. [8]
b) Explain about expressions in Korn shell. [8]
7. a) Discuss about environmental and on-off variables in C shell. [8]
b) Describe decisions in C shell. [8]