Code No: **RT42024B**

R13

Set No. 1

IV B.Tech II Semester Regular/Supplementary Examinations, April/May - 2019
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
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PART–A *(22 Marks)*

1.	a)	What is a system call? Explain.	[4]
	b)	What are backup utilities?	[3]
	c)	Explain about symlink command.	[4]
	d)	Explain about associative arrays.	[3]
	e)	Describe changing positional parameters in Korn shell.	[4]
	f)	What are C shell features?	[4]

PART–B *(3x16 = 48 Marks)*

2.	a)	Explain the following commands: man, uname and passwd.	[8]
	b)	Discuss about internal and external commands.	[8]
3.	a)	Describe file handling utilities with examples.	[8]
	b)	Explain about pg, cmp and diff commands.	[8]
4.	a)	Discuss about sort and uniq commands in filters.	[8]
	b)	Briefly explain system calls for file management.	[8]
5.	a)	Explain about user defined functions in awk.	[8]
	b)	Discuss about commands in sed.	[8]
6.	a)	Explain about variables and startup scripts in Korn shell.	[8]
	b)	Discuss about augment validation and debugging scripts in Korn shell.	[8]
7.	a)	Explain about command history and command execution scripts in C shell.	[8]
	b)	Discuss about special parameters and variables in C shell.	[8]

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