Fourth Semester B.E. Degree Examination, Dec.2016/Jan.2017 UNIX and Shell Programming

Max. Marks:100 Time: 3 hrs.

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

actice	1	a. b.	PART – A Explain the salient features of UNIX operating system. With neat diagram explain the architecture of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the division of the salient features of UNIX clearly bring out the salient features of UNIX clearly bring	(07 Marks) on of labor (08 Marks)
jes. Se created as malpr	2		Explain the following commands with examples. Explain the following commands with examples. i) cat ii) pwd iii) who iv) tty v) bc What is file permission? What are the different ways of setting file permission? Examples the chief the chief expression.	(05 Marks) xplain. (07 Marks) required to
commetting your answers computently draw diagonal cross lines on the remaining blank pages.		b.	A file's current permission are $rw - r - xr - specify$ the chmod expression change them for the following. Using both relative and absolute methods o permissions. i) $-w-rr-ii$ $r-riii$ $r-riii$ $rwxrwxrwxiv$ $rwxiv$ $rwxrwxrwxiv$ Explain the three modes of Vi editor with diagram.	
cross lines on the rem	3	c. a. b.	What is shell process? What are the different phases in the creation of process. Explain what wild – card patterns match: Explain what wild – card patterns match: Explain what wild – card patterns match:	(07 Marks) (08 Marks) (05 Marks)
agonal cross	4	c a b	What is process status? Explain ps command with options. Differentiate between hard link and soft link in UNIX with examples. Explain the following filters with examples:	(06 Marks) (08 Marks)
arily draw di to evaluated			i) tail ii) tr iii) pr iv) cut. Explain the following environment variables with examples: i) LOGNAME ii) PATH iii) HOME. PART – B	(06 Marks)
s compuls ion, appear	;	_	a. With the example, explain the grep command any five options. What is sed? Explain the difference between line addressing and context addressing addres	(10 Marks) sing in sed. (10 Marks)
ommeting your answers compulsarily draw diagon			 a. What is shell programming? Write a shell program in order to perform the follo i) Display current login users ii) print current directory iii) Process status. b. Explain the shell features of while and for loop with examples. c. Explain trap in shell scripts with suitable example. 	(08 Marks) (08 Marks) (08 Marks) (04 Marks)
2. Any revealit	•	7	 a. Explain the following Built in variables of awk with examples. i) FS ii) NF iii) FILENAME iv) NR. b. With suitable examples, explain if and while statement in awk. c. Explain the following built-in functions of awk with examples: 	(08 Marks) (06 Marks) (06 Marks)
# 1		8	 i) Substr ii) length iii) index. a. Explain the string handling functions of perl with examples. b. Explain the following with respect to PERL with examples: i) For each looping construct ii) Join. c. Write a PERL program to print numbers that are accepted from the keyboard to print numbers. 	(08 Marks)

* * * * *