Shivaji University, Kolhapur

Question Bank for March 2022 (Summer) Examination B.Sc. Part – III Semester – VI (CBCS)

Computer Science Paper – XV DSE-23F Linux Part – II

Subject Code: 81718

			rewrite the sentence		
1.	is a memory management scheme in which any process can be tem swapped from main memory to secondary memory so that the main memory can be available for other processes.				
	i) Swapping	ii) Exchanging	iii) Demanding	iv) Rolling	
2.	In a system that uses paging, the operating system copies a disk page in physical memory only if an attempt is made to access it and that page is not already memory (i.e., if a page fault occurs).				
	1) demand	ii) swap prefetch	iii) loader	iv) thrashing	
3.	management.		paging is a method o		
	i) artificial	ii) virtual	iii) cache	iv) None of these	
4.	vi was originally had its name from.	rd-linked to a line editor	named; that	at's where this mode go	
	i) input	ii) ex	iii) command	iv) insert	
5.	mode is used for file handling and performing substitution.				
	i) Command	ii)Input	iii) ex	iv) insert	
6.	Vi uses the command to switch to another file. But this operation will only work if the current file is saved.				
	i) :q	ii) :w	iii) :x	iv) :e	
7.	7. Vi saves up to nine deleted or changed blocks of whole lines in buffers n				
	i) 1 to 9	ii) 11 to 19	iii) i to iX	iv) None of these	
8.	Vi provides twenty-si	x buffers.			
	i) named	ii) numbered	iii) unnamed	iv) None of these	
9.	copied 4	lines into buffer s.			
	i) "s4dd	ii) "s4yy	iii) "s4xx	iv) "s4dx	
10.	comman	d moves five lines of tex	t into a vi buffer named	a.	
	i) "add5	ii) A5dd	iii) a5dd	iv) "a5dd	
11.	The last	deletions are stored by vi	i in numbered buffers		

iii) nine

iv) seven

ii) eleven

i) ten

38. To acl	hieve reliable transport in TCP,a.	is used to check the safe and sound arrival	
i) Paci	ket gment	ii) Buffer	
39. This	option of wall command in	option of wall command in Linux display version information and exit. ii) -t	
40	is a job scheduling utility present in UNIX like systems.		
iii) c		ii) kron iv) cran	

Q2) Attempt any two of the following:

(08 marks each)

- 1. Explain the concept of swapping in detail.
- 2. Explain the concept of demand paging in detail.
- 3. How the memory management is done in Linux?
- 4. Explain handling of multiple files using vi editor.
- 5. Explain the ex mode of vi editor to handle multiple files in it.
- 6. How to edit text with different operators using vi editor?
- 7. Give the brief explanation of the sed command with suitable examples.
- 8. Define grep. Explain the grep command with syntax and suitable examples.
- 9. Explain shell functions with example.
- 10. Explain the concept of shell and subshell in detail with example.
- 11. Define array. Explain an array with suitable examples.
- 12. What is Firewall in Linux? How does firewalld works? Explain in detail.
- 13. How user communication can be done in Linux operating system? Explain in detail with proper commands.
- 14. How wall and write commands can be used for user communication in Linux? Explain with example.
- 15. Explain write and wall command with example.

Q3) Attempt any four of the following

(4 marks each)

- 1) Explain the concept of named buffer.
- 2) Explain the concept of numbered buffer.
- 3) Explain entering control characters in vi editor.
- 4) How search a pattern or character in a file using vi editor?
- 5) Write a shell script to check given number is Armstrong or not.
- 6) Explain how to export shell variable?
- 7) List and explain the options of grep command.
- 8) Explain an internal commands used by sed command.
- 9) Explain command line arguments with suitable example.
- 10) How to write selected lines to a file using sed?
- 11) Explain array in shell programming.