ST. JOSEPH'S EVENING COLLEGE (AUTONOMOUS)

IV SEMESTER BCA EXAMINATIONS APRIL 2018

UNIX

Duration: 2.5 Hours   **Max. Marks: 70**

SECTION - A

I) Answer any SIX of the following questions.   **(6x3=18)**

1. Write any four internal and external commands.
2. Compare cmp, comm and diff commands.
3. Which command is used for listing file attributes?
4. Write the different modes in which vi editor works.
5. Define the term process.
6. Write the syntax for mesg and talk commands.
7. Explain the following commands.
   i)head ii)tail
8. List the variables in Pearl.

SECTION - B

II) Answer any FOUR of the following questions.   **(4x8=32)**

9. Explain the salient features and architecture of UNIX operating system.
10. Explain the different file types available in UNIX.
11. Differentiate between hard links and symbolic links.
12. Explain shell variables in detail.
13. Explain how the text is entered and replaced in input mode of vi editor.
14. Write a note on sort command with all options.

SECTION - C

III) Answer any TWO of the following questions.   **(2x10=20)**

15. Explain the various methods of setting file permissions.
16. Explain different states of a process with a neat diagram.
17. How does grep help in searching for a pattern? Explain each option with an example.

SUBJECT: INTRODUCTION TO UNIX OPERATING SYSTEM
CODE : CA4112

Duration: 2.5 Hours	Max. Marks: 70

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SECTION - A

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I)	Answer any SIX of the following questions.	(6x3=18)

	1.	Write any four internal and external commands. Internal commands(2) 3 marks External commands(2)
	2.	Cmp 1 mark comm 1 mark diff 1 mark
	3.	Which command is used for listing file attributes? ls command with option (3 marks)
	4.	Write the different modes in which vi editor works. 3 modes -3 marks
	5.	Define the term process. Definition -3 marks
	6.	mesg (3 marks) talk commands.
	7.	Explain the following commands.(3 marks) i)head ii)tail
	8.	List the variables in Pearl. (3 marks)

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SECTION - B

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II)	Answer any FOUR of the following questions.	(4x8=32)

	9.	Explain the salient features and architcture of UNIX operating system. salient features of UNIX salient features (4 marks) architecture (4 marks)
	10.	Explain the different file types available in UNIX. file types (2 marks) explanation (6 marks)
	11.	Differentiate between hard links and symbolic links. hard links (4 marks) symbolic links (4 marks)

	12.	Explain shell variables in detail. explanation (8 marks)
	13.	Explain how the text is entered and replaced in input mode of vi editor. explanation (8 marks)
	14.	Write a note on sort command with all options. Syntax with options (4 marks) explanation (4 marks)
	SECTION - C	
III)	**Answer any TWO of the following questions.**	**(2x10=20)**
	15.	Explain the various methods of setting file permissions. Types(3 marks) explanation (7 marks)
	16.	Explain different states of a process with a neat diagram. Diagram (2 marks) explanation (8 marks)
	17.	How does grep help in searching for a pattern? Explain each option with an example. Syntax with options (5 marks) explanation (5 marks)