## COPYRIGHT RESERVED Voc(Sem-III) — BCA (CC - 6)

#### 2023

Time: 3 hours

Full Marks: 50

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from all the Groups as directed.

# Group – A (Objective Type Questions)

. Cne	oose the correct answer of the following: 1×5 = 5
(a)	are system software that help
	maintain and run the computer properly.
	(i) Hardware (ii) Software
	(iii) Utility programs (iv) None of these
(b)	Which statement is True for file managment?
BAKIN K	(i) Keep track of information
	(ii) Allocates the resources

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(Turn over)

	(iii) De-allocate the (iv) All of these	e reso	urces			
(c)	Which of following is not the OS?					
	(i) Windows 95	(ii)	MAC			
	(iii) Windows 7	(iv)	None o	of these		
(d)	Locate the OS:					
	(i) Post	(ii)	Bootstrap loader			
	(iii) Bios Driver	(iv)	Bios s	etup		
(e)	Which command is used to change the permission mode of a file?					
	(i) chmod	(ii)	ch			
	(iii) chown	(iv)	ps			
2. Fill	in the blanks of the fo	ollowir	ng: 🏸	: 1×5 =	<b>:</b> 5	
(a)	is pre-e	emptiv	e sched	luling.		
(b)	The data on a Bios chip can be updated if it is a					
(c)	chmod comman ——— ways.	d ca	in be	used	in	
(d)	command is used to remove the file.					
(e)	command is used with vi editor					
1	to delete a single character.					
KU - 7/2	2 (2)			Cont	d.	

### Section - B (Short-answer Type Questions)

Answer any two questions of the following:

 $5 \times 2 = 10$ 

- Explain the following UNIX Command:
  - chmod (i)
- (ii) Cat
- (iii) head and tail (iv) grep
- (b) What is BIOS and CMOS? What are the advantages of BIOS?
- Describe the SJF and FCFS Scheduling? Give example.
- (d) What is Authentication and Authorization?

### Section - C (Long-answer Type Questions)

Answer any three questions of the following:

 $10 \times 3 = 30$ 



Write short notes on the following:

- (i) Batch processing
- (ii) Round Robin Scheduling
- What is the difference between while loop and untill loop? Give example.

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(3)

(Turn over)

(c) What is memory partition? Describe it with example.

(d) (i) Write a program to input two numbers and swap it without using the third variable.

(ii) Write a program to print sum of numbers from 1 to 50.

(e) Write a shell script to input decimal number and convert into binary number.

(f) (i) Print the following Pyramid:

(ii) Write a program to input any number and print its table.

$$\begin{pmatrix}
e.g. & 2 \times 1 = 2 \\
2 \times 2 = 4
\end{pmatrix}$$



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