CS/CB

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# **EXAMINATION: DECEMBER - 2022**

# SEMESTER - V

Sub: Linux (BCA-542-18/542)

Date: 15/12/2022 Total Marks: 60 Time: 10.00 am to 12.30 pm

#### **Instructions:**

- 1. All questions are compulsory unless and otherwise stated.
- 2. Bold figures to the right of every question are the maximum marks for that question.
- 3. Candidates are advised to attempt questions in order.
- 4. Answers written illegibly are likely to be marked zero.
- 5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
- 6. Draw neat and labelled diagrams wherever necessary.

Q.1.	Fill in the blanks.		(05)
1.	is the name of the administrator in Linux.		
	a) admin	b) administrator	
	c) root	d) None of Above	
2.	The directory contains user's data in Linux.		
	a) /data	b) /home	
	c)/boot	d) /var	
3.	The directory in Linux contains all configuration files in Linux.		
	a) /root	b) /etc/	
	c)/sbin	d) /bin	
4.	In Linux to change file permissions command is used.		
	a) chmod	b) chown	
	c) chgrp	d) change	
5.	VIM editor in Linux has modes of operations.		
	a) one	b) two	
	c) three	d) four	
Q.2.	State True/False.		(05)
1.	In Linux commands are case-sensitive.		
2.	To delete files in Linux erase command is used.		
3.	To change the password in Linux passwd command is used.		
4.	The ps command is used to show the running processes in Linux.		
5.	There are four basic file permissions in Linux, are read, add, erase and write.		

### Q.3. Answer the following. (Solve any 5)

**(10)** 

- 1. State the advantages of Linux.
- 2. List different shells used in Linux.
- 3. List different Linux flavors. (Names)
- 4. List special file permissions used in Linux.
- 5. List different different process states in Linux.
- 6. What is the use of pipes in Linux? Explain with example.

# Q. 4. Answer the following in detail. (Solve any 6)

(30)

- 1. Explain any three basic Linux commands with options and examples.
- 2. Write a note on VIM editor.
- 3. What is the use of tar command. Explain with options and examples.
- 4. Explain the working of rpm command with various options and examples.
- 5. Explain rm, cp and my commands with examples.
- 6. Explain useradd and userdel commands with options and examples.
- 7. Write a note on init levels (run levels ) in Linux.

# Q. 5. Answer the following in detail. (Solve any 1)

(10)

- 1. Explain Linux File System Hierarchy (Linux Directory Structure) with diagram.
- 2. Write a procedure to install Linux operating system

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