# 2023/TDC(CBCS)/ODD/SEM/ CSCSEC-301T/089

# TDC (CBCS) Odd Semester Exam., 2023

COMPUTER SCIENCE	.3
(3rd Semester)	6.
Course No. : CSCSEC-301T	7.
(Unix/Linux Programming)	.8
	10. z 11.
Fill in the blank/Answer fifteen questions selecting any three from each Unit: 1×	s, 15=15
Vuñit—I.	3
1. What is booting? Silvala at tariW	13.
2. What is Unix? Itala a stallab way ob wolf	14.
3. Write down the functions of Linux OS: W	AS.
4. Write one feature of Linux.s syste of woll	.61
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## UNIT-II

- 5. What is the purpose of 'wait' command?
- 6. What is the use of 'pwd' command?
- 7. What is external command?
- 8. Mention the syntax of 'grep' command.

## UNIT-III

- 9. Mention different types of user in Unix system.
- 10. \_\_\_ command is used to create user.
- 11. What does '/bin' directory contain?
- 12. What does 'x' in directory permissions of Linux indicate?

## UNIT-IV

- 13. What is shell?
- 14. How do you declare a shell variable?
- 15. What is the extension of a shell script file?
- 16. How to save a file in Vi editor?

## UNIT-V

- 17. What is the purpose of 'join' command?
- 18. Define system call.
- 19. How will you double-space a file?
- 20. What is the use of 'paste' command?

## SECTION-B

Answer five questions, selecting one from each
Unit: 2×5=10

## UNIT-I

- 21. State the differences between open-source software and free software.
- 22. What are the security features of Unix?

## UNIT-II

- 23. What are the differences between internal and external commands?
- 24. Which command is used to create a process?
  How to track ongoing process in Linux?

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## UNIT-III

- 25. What is quota management in Linux?
- 26. What are the file permissions in Linux?

#### Unit—IV

- 27. Write down the steps to execute shell script.
- 28. What are Bourne shell and C shell?

## UNIT-V

- 29. What are pipes and filters?
- 30. Write the general syntax of if-else statement in shell script.

## SECTION—C

Answer five questions, selecting one from each
Unit: 5×5=25

## UNIT-I

- 31. Discuss the architecture of a Linux operating system.
- Explain the benefits of using Linux as an operating system.

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## UNIT-II

- 33. What is process in Unix? Discuss the mechanism of process creation in Unix.
- 34. Write the uses of the following commands:
  - (a) sudo
  - (b) ping
  - (c) ca
  - (d) rmdir
  - (e) cp

## UNIT-III

- 35. Explain directory structure of Unix in detail.
- 36. What is file ownership in Linux? Discuss their functions.

## UNIT-IV

- 37. Discuss the three modes of operation in Vi editor.
- 38. Write a shell script to find the area and circumference of a circle.

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## UNIT-V

- 39. Discuss the different types of loops used in shell script.
- 40. Write a shell script to generate Fibonacci series. obus

What is the ownering in Unus? Discuss anousant mertr

# VI-TIMU

Discuss the three modes of operation in Vi 30/00.

38. Writ, a shell script to find the area and 2023/TDC(CBCS)/ODD/SEM/

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