

R18

Code No: 157DU

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, December-2023/January-2024

SCRIPTING LANGUAGES

(Electronics and Communication Engineering)

Time: 3 Hours

Max. Marks: 75

Note: i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A

(25 Marks)

- 1.a) Write the syntax of cp command with an example. [2]
- b) Write a note on role of linux kernel. [3]
- c) Define the term full duplex in networking. [2]
- d) Illustrate bind(), listen () system calls. [3]
- e) Define object-oriented perl features. [2]
- f) Explain any three Perl debugger commands. [3]
- g) How to create a list in TCL? Give an example? [2]
- h) Give a short note on grabs and dialogs. [3]
- i) Compose the importance of indentation in python. [2]
- j) Define classes in python with an example. [3]

PART – B

(50 Marks)

- 2.a) Write a note on history of Linux operating system.
- b) Explore the following commands with examples
i) mkdir ii) rmdir iii) chdir iv) getcwd [5+5]

OR

- 3.a) Discuss the command line tools used to manage users and groups.
- b) Explain the file system of the linux. [5+5]

- 4.a) How to configure a network interface with IP explain some common tools that help in troubleshooting networking?
- b) Describe the significance of domain naming services. [5+5]

OR

- 5.a) Demonstrate file transport protocol in Linux.
- b) Explain network file system. [5+5]

- 6.a) Compare Lists with Hashes in Perl language.
- b) Write PERL script to demonstrate data storage and extracting slices from Hashes. [5+5]

OR

- 7.a) Illustrate file status check codes available in Perl using a program.
- b) List and explain PERL data types with suitable examples. [5+5]

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- 8.a) Describe the control flow commands available in TCL.
- b) Write Tk script to create a login form.

[5+5]

OR

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- 9.a) Explain the basic concepts of TCL. Why TCL is used.
- b) Write a Tk program to demonstrate Keyboard events.

[5+5]

- 10.a) Explain Exception handling mechanism in Python.
- b) Write Python script to display Pascal's triangle in its specific format.

[5+5]

OR

- 11.a) Compare Mutable and Immutable types of objects in Python. Give example.
- b) Explain about control flow tools in detail.

[5+5]

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