

**R18**

**Code No: 156CU**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, March - 2024**

**SCRIPTING LANGUAGES**

**(Common to CSE, IT, CSE(AI&ML), CSE(DS))**

**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) What is canvas in Ruby? [2]
- b) Write the importance of Ruby Gems. [3]
- c) How does Ruby allocate memory? [2]
- d) What do you mean by Ruby Interpreter? [3]
- e) What is web scripting? [2]
- f) What are the uses of scripting languages? [3]
- g) Differentiate between pack and unpack in Perl. [2]
- h) Write briefly about eval function in PERL. [3]
- i) What are Callback Scripts in TCL? [2]
- j) Define eval, uplevel commands in TCL. [3]

**PART – B**

**(50 Marks)**

- 2.a) Write the structure of Ruby program and explain how to execute Ruby program.
  - b) Explain simple Ruby Tk application. What are different widgets used in Ruby? Discuss briefly. [5+5]
- OR**
- 3.a) What are the different types of CGI scripts? How do you write a script in CGI in Ruby? Explain.
  - b) How scrolling works in Ruby? Explain. [5+5]
- 4.a) How to find memory leaks in Ruby on Rails? Explain.
  - b) Explain the process of embedding Ruby in other languages. [5+5]
- OR**
- 5.a) Discuss in detail about the concept of Ruby objects in C.
  - b) Write a detailed note on Ruby Jukebox extension. [5+5]
- 6.a) What are the characteristics of scripting languages? Discuss.
  - b) Discuss about local variables and global variables in Perl. [5+5]

**OR**

- 7.a) List and explain about the control structures in TCL with examples.
- b) Discuss about regular expressions in Perl. [5+5]

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8.a) What are the data structures used in Perl? Discuss with examples.

b) Explain about dirty hands internet programming.

[5+5]

**OR**

9.a) Explain about importing the module names in PERL.

b) Discuss about finer points of looping concept in PERL.

[5+5]

10.a) Discuss about TCL structure with a neat diagram.

b) How can you create packages in TCL? Explain with syntax and examples.

[5+5]

**OR**

11.a) Discuss about all Event driven Programs in TCL.

b) Explain about nuts and bolts internet programming.

[5+5]

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