

Code No: 156CU

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, July - 2023****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) Define web service. [2]
- b) What is meant by Ruby on rails? [3]
- c) How to wrap Ruby objects? [2]
- d) List C data types to Ruby objects. [3]
- e) What is web scripting? [2]
- f) What is a hash in PERL? How to define it? [3]
- g) What is the need of eval function? [2]
- h) Illustrate any one loop structure of PERL. [3]
- i) List string functions in TCL. [2]
- j) Give TCL structure. [3]

**PART – B****(50 Marks)**

- 2.a) Describe Program encoding in Ruby.
  - b) What is a cookie? How Ruby loads and saves cookies? [5+5]
- OR**
3. Create a user interface for customer registration for a mail server using Ruby-Tk widgets. [10]
  4. Demonstrate steps in building and executing your extensions in Ruby. [10]
- OR**
5. How to embed Ruby into C++? What are the challenges in bridging Ruby and Java? [10]
  6. Describe the main characteristics of scripting languages and compare them with markup languages. [10]
- OR**
7. Demonstrate various control structures of PERL language with relevant scripts. [10]

8. How does PERL handle files? Write a script to merge the contents of two files and store in a third file. [10]

**OR**

9. Use Advanced PERL to create an application for cab booking from a source to a destination. [10]

10.a) Discuss the security issues to be considered in internet programming.

b) Differentiate between exec and uplevel commands of TCL. [5+5]

**OR**

11. What is an event? How are events handled in Tk? Explain binding of events in Tcl-Tk. [10]

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Used paper July/Aug-2023