

Code No: 156CU**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, February - 2023****SCRIPTING LANGUAGES****(Common to CSE, IT)****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 do you mean by an iterator in Ruby? [2]
- b) State the importance of RubyGems. [3]
- c) Write about Fixnum immediate value in Ruby. [2]
- d) Write an extension code in C that is plug-compatible with that Ruby class. [3]
- e) Define the term Web scripting. [2]
- f) How does chop() and chomp() functions in PERL differ? [3]
- g) Define a module and a package. [2]
- h) Give a brief file system operations in PERL. [3]
- i) How to create a list in TCL? Give an example. [2]
- j) What is the purpose of 'exec' and 'append' command in Tcl? [3]

PART – B**(50 Marks)**

- 2.a) "Embedding Ruby in HTML is a very powerful concept". Support this statement using code snippets.
- b) How to access Tk features from Ruby? Discuss briefly creating a simple application. [5+5]

OR

3. How Ruby CGI handles cookies and sessions? Demonstrate using the sample Ruby CGI Scripts. [10]
4. Explain various C/Ruby data type conversion functions and macros with clear syntax and illustrative examples for each. [10]

OR

- 5.a) Explain StringValue and StringValuePtr macros in Ruby with sample Ruby script.
- b) How to embed ruby in your application? What is the role of Ruby interpreter? Explain. [4+6]

6. Explain various regular expressions and pattern matching operators available in PERL with examples. [10]

OR

- 7.a) What are the uses of scripting languages?
b) Explain various string and numeric built-in functions available in PERL. [4+6]

- 8.a) Outline the security issues in internet programming of PERL.
b) Give a detail note on using PERL interfacing to an operating system. [5+5]

OR

- 9.a) How to create packages and modules in PERL? Describe in detail.
b) What is the need of pack() and unpack() functions in Perl. [6+4]

10. What are the major functionalities of a Tcl Parser? Explain in detail about namespaces and recursive procedures in TCL. [10]

OR

- 11.a) Write Tk script to create a login form.
b) How are events handled in Tk? [5+5]

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