

**Code No: 156CU****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, February/March - 2022****SCRIPTING LANGUAGES****(Common to CSE, IT)****Time: 3 hours****Max. Marks: 75****Answer any five questions  
All questions carry equal marks****- - -**

- 1.a) Explain the Package Management with RUBYGEMS.  
b) List and explain the different canvas widget options. [7+8]
- 2.a) Discuss the Ruby Type System.  
b) Illustrate the Embedding of Ruby to Other Languages. [8+7]
- 3.a) List and explain the Characteristics of Scripting Languages.  
b) Using Perl program explain push and pop in array implementation. [5+10]
- 4.a) Give a brief note on dirty hands in internet programming.  
b) Discuss the pack and unpack, filesystem. [8+7]
- 5.a) Explain Tk-Visual Tool Kits, Events, and Binding with example.  
b) Why TK is used? Explain TK with an example. [8+7]
- 6.a) Explain the Tk module in Ruby.  
b) How does the jukebox work? Explain. [8+7]
7. List and explain PERL data types with suitable examples. [15]
- 8.a) How to run a package in tcl, how to remote login to a system A from system B, execute commands in it.  
b) Give an example of how to write internet applications using TCL. [8+7]

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**R18**

**Code No: 156CU**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, August/September - 2021**

**SCRIPTING LANGUAGES**

**(Common to CSE, IT)**

**Time: 3 Hours**

**Max. Marks: 75**

**Answer any five questions  
All questions carry equal marks**

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- 1.a) Describe about lexical and syntactic structure of Ruby language.
- b) How do we write CGI scripts using Ruby? Explain with simple CGI script? [7+8]
- 2.a) How do we do package management in Ruby using RubyGems?
- b) Describe the usage of erb and eruby packages in Ruby. [7+8]
- 3.a) Write the steps for building our own extensions in Ruby.
- b) Explain about different Ruby objects in C. [7+8]
- 4.a) Write a Ruby programming for wrapping of C structures in Jukebox extension.
- b) Explain about object creation and cloning of objects in Ruby. [7+8]
- 5.a) Enumerate various characteristics of Scripting languages.
- b) How do we create packages and modules in Perl? [7+8]
- 6.a) Explain about different uses of web scripting languages.
- b) Compare Lists with Hashes in Perl language. [7+8]
- 7.a) Illustrate file status check codes available in Perl using a program.
- b) Summarize the steps for creating Internet-aware applications in Perl. [7+8]
- 8.a) Explain how global, upvar and uplevel behaves in TCL with examples?
- b) Explain the list of available selection widgets in TK with examples. [7+8]

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**RA**

**Code No: 136SD**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, November/December - 2020**

**SCRIPTING LANGUAGES**

**(Computer Science and Engineering)**

**Time: 2 Hours**

**Max. Marks: 75**

**Answer any five questions**

**All questions carry equal marks**

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- 1.a) Describe the uses of scripting languages.  
b) Outline the features of visual scripting. [7+8]
2. Describe the operating system interface facilities that are common to both Windows and UNIX implementations of PERL. [15]
3. With an example PHP script, explain how to create and validate a simple form. [15]
- 4.a) Explain briefly about the following commands:  
i) eval ii) exec  
b) Explain about Perl toolkits. Mention how it is different from TCL/TK. [5+10]
5. Describe in detail on building small and efficient python web systems. [15]
- 6.a) List and explain various operators available in PERL.  
b) Define Hash. How to create and implement hashes in PERL? Explain. [7+8]
- 7.a) How to embed PHP code into your web pages directly?  
b) Explain the following control structures in PHP: [7+8]  
i) for ii) foreach iii) while iv) do-while
8. Explain in detail about how to implement authentication via a PHP script using hard-coded and data-based methods. [15]

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