**G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY**

**(Accredited by NAAC with ‘A’ Grade of UGC Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Ananthapuramu)**

**(Recognized by UGC under 2(f) & 12(B) &ISO 9001:2008 Certified Institution)**

**(III B. Tech I Semester (R13) II MID Examination Nov’ 2017)**

**Linux programming and Scripting**

**TIME: 90 MINUTES (ECE) MAX MARKS: 30**

**DATE: 11-11-2017**

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**[SET-1]**

**PART-I (5Q\*2M=10M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| **1 a** | How many subpatterns can be stored in memory using \1, \2, and so on? | **2M** | **III** | **C306.3** | **Remember** |
| **b** | Why does Perl use characters such as +, \*, and ? as pattern special characters? | **2M** | **III** | **C306.3** | **Remember** |
| **c** | Give the syntax of scan command? | **2M** | **IV** | **C306.6** | **Remember** |
| **d** | Define class in python? | **2M** | **V** | **C306.5** | **Remember** |
| **e** | How to use range function in python? | **2M`** | **V** | **C306.4** | **Remember** |

**PART-II (2Q\*10M=20M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| 2 | Why does Perl bother with the next, last, and redo statements, when the if-elsif-else structure can do the job just as well? | **10M** | **III** | **C306.3** | **Apply** |
| **(OR)** | | | | | |
| 3 | Describe two high level data structures in TCL? | **10M** | **IV** | **C306.5** | **Remember** |
|  |  |  |  |  |  |
| 4 | Construct an array {1 10 2 20 a 30 b 40} in Tcl and store it in a variable called as “new” and print the array. | **10M** | **IV** | **C306.3** | **Understand** |
| **(OR)** | | | | | |
| 5 | 1. Explain exception handling mechanism in python? 2. Define python interpreter? | **8M**  **2M** | **V**  **V** | **C306.6**  **C306.6** | **Understand**  **Understand** |

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**[SET-2]**

**PART-I (5Q\*2M=10M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| **1 a** | Write a simple print command in perl? | **2M** | **III** | **C306.3** | **Remember** |
| **b** | Write a PERL script on string substitution | **2M** | **III** | **C306.3** | **Apply** |
| **c** | Give the syntax of regexp command? | **2M** | **IV** | **C306.6** | **Remember** |
| **d** | Define inheritance in python? | **2M** | **V** | **C306.5** | **Remember** |
| **e** | How to use tuple in python? | **2M`** | **V** | **C306.4** | **Apply** |

**PART-II (2Q\*10M=20M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| 2 | Write a PERL script to print “Welcome to the PERL world” using  a. Assign the given string to a variable and print it by using that variable  b. Assign the given string to variable at run-time and print it. | **2M**  **4M**  **4M** | **III**  **III**  **III** | **C306.3**  **C306.3**  **C306.3** | **Apply**  **Apply**  **Apply** |
| **(OR)** | | | | | |
| 3 | Describe list, array data structures in TCL? | **10M** | **IV** | **C306.5** | **Remember** |
|  |  |  |  |  |  |
| 4 | Construct an array {1 10 2 20 a 30 b 40} in Tcl and store it in a variable called as “new” and print the array. | **10M** | **IV** | **C306.3** | **Understand** |
| **(OR)** | | | | | |
| 5 | 1. Describe two high level data structures in python? 2. Write a script which demonstrate Input / Output operations in python? | **6M**  **4M** | **V**  **V** | **C306.6**  **C306.6** | **Understand**  **Understand** |

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**[SET-3]**

**PART-I (5Q\*2M=10M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| **1 a** | How many subpatterns can be stored in memory using \1, \2, and so on? | **2M** | **III** | **C306.3** | **Remember** |
| **b** | Why does Perl use characters such as +, \*, and ? as pattern special characters? | **2M** | **III** | **C306.3** | **Remember** |
| **c** | Give the syntax of scan command? | **2M** | **IV** | **C306.6** | **Remember** |
| **d** | Define class in python? | **2M** | **V** | **C306.5** | **Remember** |
| **e** | How to use range function in python? | **2M`** | **V** | **C306.4** | **Apply** |

**PART-II (2Q\*10M=20M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| 2 | Why does Perl bother with the next, last, and redo statements, when the if-elsif-else structure can do the job just as well? Explain other control flow tools in perl? | **10M** | **III** | **C306.3** | **Apply** |
| **(OR)** | | | | | |
| 3 | Describe two high level data structures in TCL? | **10M** | **IV** | **C306.5** | **Remember** |
|  |  |  |  |  |  |
| 4 | Construct an array {1 10 2 20 a 30 b 40} in Tcl and store it in a variable called as “new” and print the array. | **10M** | **IV** | **C306.3** | **Understand** |
| **(OR)** | | | | | |
| 5 | 1. Explain with suitable example for exception handling mechanism in python? 2. How to implement inheritance in python? | **6M**  **4M** | **V**  **V** | **C306.6**  **C306.6** | **Understand**  **Apply** |

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**[SET-4]**

**PART-I (5Q\*2M=10M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| **1 a** | Are pointers implemented in perl? | **2M** | **III** | **C306.3** | **Remember** |
| **b** | How do I destroy a tree that I have created? | **2M** | **III** | **C306.3** | **Apply** |
| **c** | Give the syntax of error command? | **2M** | **IV** | **C306.6** | **Remember** |
| **d** | Define inheritance in python? | **2M** | **V** | **C306.5** | **Remember** |
| **e** | How to use list in python? | **2M`** | **V** | **C306.4** | **Apply** |

**PART-II (2Q\*10M=20M)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Q.NO** | **Questions** | **MARKS** | **UNIT** | **CO** | **COGNITIVE LEVEL** |
| 2 | Write a PERL script to print “Welcome to the PERL world” using  a. Assign the given string to a variable and print it by using that variable  b. Assign the given string to variable at run-time and print it. | **2M**  **4M**  **4M** | **III**  **III**  **III** | **C306.3**  **C306.3**  **C306.3** | **Apply**  **Apply**  **Apply** |
| **(OR)** | | | | | |
| 3 | Describe list, array data structures in TCL? | **10M** | **IV** | **C306.5** | **Remember** |
|  |  |  |  |  |  |
| 4 | Construct an array {1 10 2 20 a 30 b 40} in Tcl and store it in a variable called as “new” and print the array. | **10M** | **IV** | **C306.3** | **Understand** |
| **(OR)** | | | | | |
| 5 | 1. Describe two high level data structures in python? 2. How to use modules in python? Give two standard modules in python? | **6M**  **4M** | **V**  **V** | **C306.6**  **C306.6** | **Understand**  **Apply** |