

**II-B. TECH-II SEM(R22) I -MIDEXAMINATIONS, FEB-2025**

**SUBJECT: PYTHON PROGRAMMING (CS404PC)**

**Branch: Marks:30 M**

**Date: Time: 10:00AM to 11:30AM**

**PART-A 5x 2M =10 M**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **BTL** | **CO** |
| **1.** | What is pickling ? | 1 | 1 |
| **2.** | What are the various ways of giving input to a program in python | 1 | 1 |
| **3.** | Define file objects? | 1 | 2 |
| **4.** | List out the main differences between list and tuples? | 4 | 2 |
| **5.** | What is regular Expression? | 1 | 3 |

**PART-B 4 x 5 M = 20 M**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **BTL** | **CO** |
| **6.** | What is operator? explain various types of operators in details with appropriate example? with program | 5 | 1 |
|  |  |  |  |
| **7** | Write a Python program to read a text file in python and print no of line and no of unique words? | 1 | 1 |
| **8** | What is persistence storage ? explain the fallowing modules with example? | 1 | 2 |
|  | a. Marshal b) Shelve c) dbm d)pickle | 1 | 1 |
|  |  |  |  |
| **9** | a) What is Tuple and Set types in python statements explain all methods in detail? with programs | 6 | 3 |
|  | b) Explain String types built in function in python? with programs | 2 | 1 |
|  |  |  |  |
| **10** | Illustrate common regular expression symbols and special characters used in python? | 1 | 3 |
| **11** | What is Exception? Write a program to demonstrate exception handling in Python. program with example? | 1 | 4 |

**11. Scheme of Evaluation**



**MID I**

**PART - A**

|  |  |  |  |
| --- | --- | --- | --- |
| **S NO** | **THEORY** | **MARKS** | **TOTAL** |
| **1.** | What is pickling ? | 2 | 2 |
| **2.** | What are the various ways of giving input to a program in python | 2 | 2 |
| **3.** | Define file objects? | 2 | 2 |
| **4.** | List out the main differences between list and tuples? | 2 | 2 |
| **5.** | What is regular Expression? | 2 | 2 |

**PART - B**

|  |  |  |  |
| --- | --- | --- | --- |
| **S NO** | **THEORY** | **MARKS** | **TOTAL** |
| **6.** | What is operator? explain various types of operators in details with appropriate example with program. | 5 | 5 |
| **7.** | Write a Python program to read a text file in python and print no of line and no of unique words? | 5 | 5 |
| **8.** | What is persistence storage? explain the fallowing modules with example?  a. Marshal b) Shelve c) dbm d)pickle | 5 | 5 |
| **9.** | a) What is Tuple and Set types in python statements explain all methods in detail? with programs  b) Explain String types built in function in python? With programs | 2.5+2.5 | 5 |
| **10.** | a) what is exception? Explain different types of exceptions?  b) How does try-except statement work? Demonstrate with an example python code? | 2.5+2.5 | 5 |
| **11.** | Classify common regular expression symbols and special characters used in python. | 5 | 5 |