



III B.Tech I Sem Regular End Examination, December 2022

Python Programming

(EEE)

Time: 3 Hours.**Max. Marks: 70**

Note: 1. Question paper consists: Part-A and Part-B.

2. In Part - A, answer all questions which carries 20 marks.

3. 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**(10*2 Marks = 20 Marks)**

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| 1. a) | What do you mean by built in data types? | 2M | CO1 | BL1 |
| b) | What is an operator? | 2M | CO1 | BL1 |
| c) | What is the difference between break and continue statements? | 2M | CO2 | BL1 |
| d) | How do you declare and access a list? | 2M | CO2 | BL1 |
| e) | What are the advantages of command line arguments? | 2M | CO3 | BL1 |
| f) | What happens when an exception is raised? Give example? | 2M | CO3 | BL1 |
| g) | How does a function is created in Python? | 2M | CO4 | BL1 |
| h) | How do you differentiate Package and Name Space? | 2M | CO4 | BL1 |
| i) | Compare thread and process? | 2M | CO5 | BL2 |
| j) | What is the advantage of TKinter over the other Python GUI modules? | 2M | CO5 | BL1 |

PART- B**(10*5 Marks = 50 Marks)**

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| 2 | Discuss in detail about standard type built in functions? | 10M | CO1 | BL2 |
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OR

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| 3 | Explain how the standard types are categorized? | 10M | CO1 | BL4 |
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| 4 a) | What is the purpose of looping statements? What are they? | 5M | CO2 | BL1 |
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| b) | Write a Python program for finding sum of n natural numbers | 5M | CO2 | BL3 |
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OR

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| 5 | How do you differentiate a Set and Dictionary? Give syntax and examples. | 10M | CO2 | BL1 |
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- 6 a) What are the file built in methods? 5M C03 BL1
b) Develop a Python program to copy the contents of one file into another. 5M C03 BL6

OR

- 7 a) Explain the usage of try, except and assert keywords? 5M C03 BL4
b) Explain exceptions in python. 5M C03 BL4

- 8 What are the different ways of passing arguments? Discuss with examples. 10M C04 BL2

OR

- 9 a) How do you create a module? How to used it? 5M C04 BL1
b) Write a program for implementing modules in Python? 5M C04 BL3

- 10 What are the possible layouts in TKinter interface? Compare them? 10M C05 BL2

OR

- 11 What is Python Global Interpreter Lock? What problems can be solved by using Global Interpreter Lock for Python 10M C05 BL1

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CO - Course Outcome

BL - Blooms Taxonomy Levels