P P SAVANI UNIVERSITY

Third Semester of BSC IT Examination
November 2022
SSIT2020 Programming with Python

30.11.2022, Wednesday   Time: 10:00 a.m. To 12:30 p.m.   Maximum Marks: 60

Instructions:
1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION – I

			CO	BTL
Q - 1	MCQ/Short Question/Fill in the Blanks (Any Five)	[05]		
(i)	What are the applications of Python?		1	1
(ii)	What is the difference between Mutable datatype and Immutable datatype?		1	2
(iii)	Does Python support multiple Inheritance?		1	4
(iv)	What type of language is python? Programming or scripting?		1	2
(v)	How can files be deleted in Python?		4	2
(vi)	How will you reverse a list in Python?		1	1
(vii)	Is indentation required in python?		1	1
Q - 2 (a)	What are negative indexes and why are they used? Explain with example.	[05]	2	6
Q - 2 (b)	Write a program of below pattern.	[05]	3	6

```
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* *
* * *
* * * *
* * * * *
```

OR

			CO	BTL
Q - 2 (a)	How to generate an error? Explain with example.	[05]	3	4
Q - 2 (b)	Write a program to swap two numbers in Python.	[05]	3	6
Q - 3 (a)	program to display student's marks from record using loop.	[05]	3	6
Q - 3 (b)	Explain string manipulation with example.	[05]	2	4

OR

			CO	BTL
Q - 3 (a)	Explain continue and break statement with example	[05]	2	4
Q - 3 (b)	Explain set and dictionary with example.	[05]	2	4
Q - 4	Attempt any one.	[05]		
(i)	Write a program to print the largest of the three numbers.		3	6
(ii)	Explain Comparison operators with examples.		2	6

SECTION – II

			CO	BTL
Q - 1	MCQ/Short Question/Fill in the Blanks (Any Five)	[05]		
(i)	What is package?		1	2
(ii)	What is Exception?		4	2
(iii)	How to import Module?		2	2
(iv)	What is OOPs ?		2	2
(v)	What is Exception Handling?		4	2
(vi)	What will be the output of the following Python code?		3	6

```
nums = set([1,1,1,2,2,3,3,3,4,4,4])
print(len(nums))
```

(vii)	Explain strip(), split(), replace() functions with example.		2	4
Q - 2 (a)	How to create function? Explain Syntax with example.	[05]	2	4
Q - 2 (b)	What is __init__.py? Explain in brief.	[05]	2	4

OR

Q - 2 (a)	Write a program to find area of circle using function.	[05]	3	6
Q - 2 (b)	Explain polymorphism with example.	[05]	2	4
Q - 3 (a)	What is file Handing? Explain different modes of opening file.	[05]	4	4
Q - 3 (b)	How to create class & object Explain with example.	[05]	2	4

OR

Q - 3 (a)	What is Inheritance? Explain type of Inheritance with example	[05]	2	4
Q - 3 (b)	Explain try, except and finally block with example.	[05]	4	4
Q - 4	Attempt any one.	[05]		
(i)	Write a program to read the content from file.		3	6
(ii)	How to create package? Explain with example.		2	4

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CO: Course Outcome Number   BTL: Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create