

P P SAVANI UNIVERSITY

First Semester of M.Sc. DS Examination

February 2023

SSDS7010 Programming with Python

15.02.2023, 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

Q - 1	MCQ/Short Question/Fill in the Blanks (Any Five)	[05]	CO	BTL
(i)	What do we use to define a block of code in python language? a) Brackets b) Indentation c) Key d) None of these		1	1
(ii)	What does pip stand for? a) Pip installs for python b) Preferred Installer Program c) pip installs python d) all of the mentioned		1	2
(iii)	Which of the following is not a keyword in python? a) val b) raise c) try d) with			
(iv)	To convert an input ()'s value in floating-point type, ____ function is used.	2		1
(v)	The input() function returns the read value as of ____ type.	2		2
(vi)	Which of the following operators is the correct option for power(ab)? a) a ^ b b) a**b c) a ^^ b d) a ^^b		1	1
(vii)	Non-executable, additional lines added to a program, are known as ____.		1	2
Q - 2 (a)	Discuss about indexing in Python? Describe how negative indexing works in it?	[05]	1	2
Q - 2 (b)	Elaborate different ways to use modules in python.	[05]	2	2
OR				
Q - 2 (a)	Illustrate dictionaries in python and describe it.	[05]	1	2
Q - 2 (b)	Demonstrate how to write to a file in python.	[05]	5	3
Q - 3 (a)	Apply inheritance and polymorphism in python.	[05]	3	3
Q - 3 (b)	Figure out and describe about Encryption and Decryption in python.	[05]	4	4
OR				
Q - 3 (a)	State how Type conversion works in python explain it in detail.	[05]	2	3
Q - 3 (b)	How Functions works in Python? Explain different types of functions.	[05]	4	1
Q - 4	Attempt any one/two.	[05]		
(i)	Figure out the term "multithreading" in python.		4	2
(ii)	Examine how to use turtle and its functions.		3	3
SECTION - II				
Q - 1	MCQ/Short Question/Fill in the Blanks (Any Five)	[05]		
(i)	Recognize which of the following statements is used to create an empty set in		2	1

