

BPLCKB105/BPLCK105B

[illegible]

Introduction to Python Programming

Max. Marks: 100

2. *M* : Marks , *L*: Bloom's level , *C*: Course outcomes.

1 of 2

Important Note :

1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, $42+8=50$, will be treated as malpractice.

Module – 3

Q.5	a.	Write the output of following Python code >>>Spam = 'Hello, World!' i) >>>Spam[0] ii) >>>Spam[4] iii) >>>Spam[-1] iv) Spam[0 : 5] v) >>> Spam [:5] vi) >>>Spam[7 :].	6	L1	CO3
	b.	Write a program to accept string and display total number of alphabets.	6	L3	CO3
	c.	Explain how to save variables with the Shelve module.	8	L1	CO3

OR

Q.6	a.	Explain the following string methods with examples : i) isalpha() ii) isalnum() iii) isdecimal() iv) isspace() v) istitle().	10	L1	CO3
	b.	Write a Python program that repeatedly asks users for their age and a Password until they provide valid input. [age is in digit and Password in alphabet an digit only].	6	L3	CO3
	c.	Differentiate between Absolute and relative paths in specifying file paths.	4	L2	CO3

Module – 4

Q.7	a.	Show that files and folders can be copied using Shutil module.	8	L1	CO4
	b.	Write a note on Raising exceptions in Python.	7	L1	CO4
	c.	Explain five buttons available in the Debug Control Window.	5	L2	CO4

OR

Q.8	a.	Describe logging levels used in Python to categorize log messages by importance.	10	L2	CO4
	b.	With example show how files and folders can be permanently deleted.	10	L1	CO4

Module – 5

Q.9	a.	Write a program to implement the following object diagram and its functionality as shown in Fig.9(a). Initialize the attributes through a constructor and print the same.	10	L3	CO4
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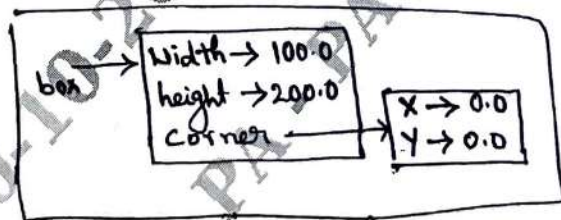


Fig.Q9(a)

	b.	Discuss operator overloading. Mention any five operators with respective special functions to be overloaded in Python.	10	L2	CO4
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OR

Q.10	a.	Explain the following with an example : i) isinstance() ii) hasattr() iii) copy.copy iv) copy.deepcopy().	8	L2	CO4
	b.	Write a program to explain pure function and modifier function.	12	L3	CO4