SYBSCIT Sem. III Reg Exam. Oct. 18.
Paper/Subject Code: 80701/Python Programming 25/10/18

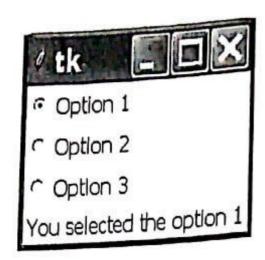
(Time: 21/2 hours)

Total Marks: 75

N. E	3.: (1) All questions are compulsory.	
16	3.: (1) All questions are compulsory. (2) Makesuitable assumptions wherever necessary and state the assumptions made. (3) Answers to the same question must be written together.	
	(3) Answers to the same question must be	
	(4) Numbers to the <u>right</u> indicate <u>marks</u> .	
	(4) Numbers to the <u>right mereus</u> wherever <u>necessary</u> . (5) Draw <u>neat labeled diagrams</u> wherever <u>necessary</u> .	
	(5) Draw <u>neat labeled diagrams</u> (6) Use of <u>Non-programmable</u> calculators is <u>allowed</u> .	V
	Cabo following:	1-
1.	Attempt any three of the following:	15
a.	Explain the features of Python programming. Explain the features of Python programming. What is variable? What are the rules and conventions for declaring a variable?	
b.	What is variable? What are the fulcs and con-	
c.	Explain if—else statement with an example. Write a Python program to print factorial of a number. Take input from user.	
d.	Write a Python program to print factorial of	
e.	Explain continue statement with an example. Write a Python program to calculate area of triangle and circle and print the result.	
f.	Write a Python program to calculate and of the program to calculate and of the program of the pr	
	Take input from user.	
	the of the following:	15
2.	Attempt <u>any three</u> of the following: Define function. Write syntax to define function. Give example of function definition.	
a.	1 1 famol parameter/ EXPINITION THE UNITED AIGHT WITH All CAULDE.	
b.	What is actual and formal parameter. Explain the work of the security of given number using recursive function. Write a Python program to calculate factorial of given number using recursive function.	
c.	Write a Python program to calculate lateral design of the difference between local and global variable.	
d.	case basic operations nerrormed oil sums.	
e.	Explain any five basic operations partially a string is palindrome. Write a Python program to check whether a string is palindrome.	
f	Write a Python program to check the	
	Attempt any three of the following:	15
3.	ALL OTT LE ACTIVIDATION AND CONTRACTOR OF THE CO	
a.	What are lists? How to define and access the three walles. Write a program to input any two tuples and interchange the tuple values.	
b.	Explain directory methods in Python.	H-1
c.	How to create dictionary in Python? Give example.	
d.	Explain different modes of opening a file.	
e.	Explain different modes of opening a lite? Write a Python program to accept an integer number and use try/except to catch the	
f.	exception if a floating point number is entered.	
	exception if a Hoating point number is	15
	three of the following:	15
4.	Attempt <u>any three</u> of the following: What is regular expression? What are different types of regular expression?	
a.	What is regular expression? What are differences. Explain math module with its any five functions.	
b	Explain math module with its any five functions. List and explain built in class attributes with example.	
c.	List and explain built in class attributes with the produle.	
d.	How to import a module? Explain time module.	
e.	What is multithreading? How to create a thread? Design a class that store the information of student and display the same.	
f.	Design a class that store the information of student and	

Attempt any three of the following:

Write a Python code to create the following GUI: 5. a.



Explain the layout manager in detail.

What is the use of listbox widget? Give an example to add elements to listbox. b.

c.

Write a source code in Python to create login screen Write a source code in Python to create logarity and multiple results of query execution.

Write a source code in Python to read single and multiple results of query execution. d.

Write a source code in Python to read strigg.
Write a source code in Python to show database connectivity and insert the following e.

f. information in table named 'Item'.

Itom name	Price	Quantity
No. 1 and the second se		100
Geometry Box		
Soap	100	50
	150	25
	50	200
A ()	20	100
	Item name Geometry Box Soap Perfume Pen Pencil	Geometry Box 50 Soap 100 Perfume 150 Pen 50

Write queries based upon Item table given

Display item name and price value.

Display the item information whose name starts with letter 'p'. ii.

Display item name, whose price is in between 50 to 100. iii.

Display soap information. iv.

Remove pen information.