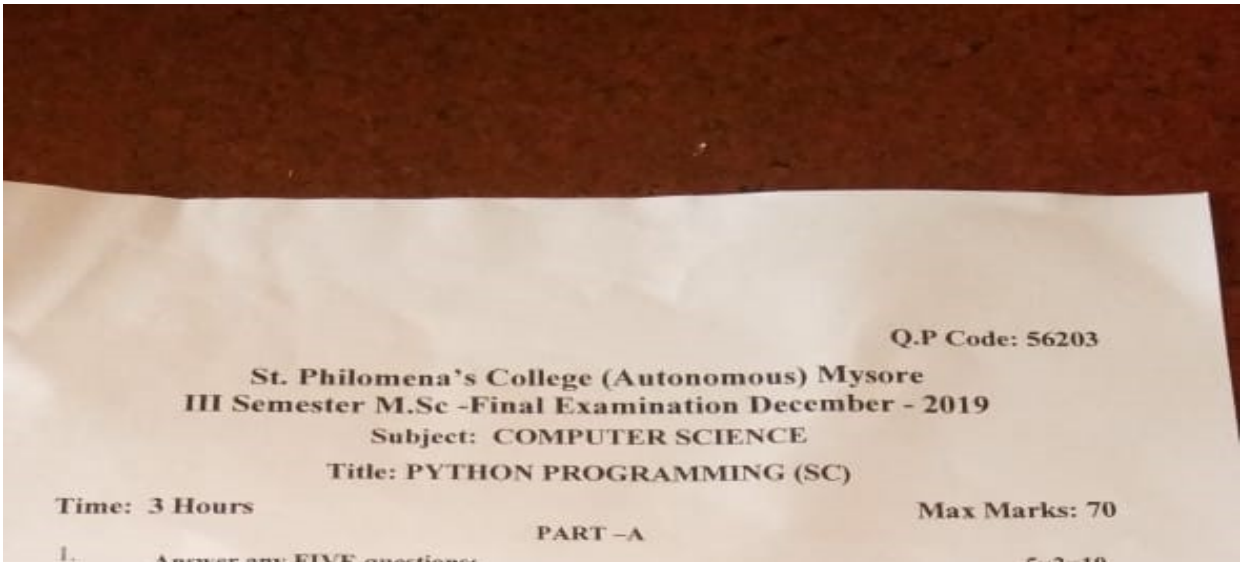
St. Philomena's College (Autonomous), Mysore			
PG Department OF COMPUTER SCIENCE			
Question Bank (Revised Curriculum 2018 onwards)			
Second Year- Third Semester (2019 -21 Batch)			
Course Title (Paper Title): PYTHON PROGAMMING(SC)			QP Code: 56203
Unit	**Sl. No**	**Question**	**Marks**
1	1.	Define literals. Give example	2
1	2.	What is // operator?	2
1	3.	What is id () method in python?	2
1	4.	What is chr () and ord() In python?	2
1	5.	Define string literal?	2
1	6.	Define integer literal?	2
1	7.	Illustrate format method ().	2
1	8.	Explain membership operator.	2
1	9.	Write a simple program to compare 2 variables.	2
2	10.	Define a list.	2
2	11.	Define a tuple.	2
2	12.	Define dictionary.	2
2	13.	What is match () method in regular expression?	2
2	14.	What is search () method in regular expression?	2
2	15.	What is findall () method in regular expression?	2
3	16.	What is init () method in python?	2
3	17.	Illustrate the use of super () keyword.	2
3	18.	Mention the representation of access specifiers In python	2
3	19.	Define encapsulation in python.	2
4	20.	What is exception handling?	2
4	21.	Define a thread.	2
4	22.	What is a socket?	2
4	23.	What is exception handling?	2
4	24.	Define a thread.	2
4	25.	What is a socket?	2
1	26.	Explain functions with parameters and with return value	5

1	27.	Write a program to convert Celsius to Fahrenheit	5
1	28.	Write a program to convert Fahrenheit to Celsius	5
1	29.	Explain functions with parameters and without return value	5
1	30.	Explain while loop in python	5
2	31.	Write a program to implement dictionary and its key	5
2	32.	Write a program to sort a list using bubble sort	5
2	33.	Write a program to implement recursion	5
3	34.	Explain inheritance with example	5
3	35.	Implement init()method	5
3	36.	Implementsuperkey().	5
3	37.	What are get and set methods	5
3	38.	Illustrate the differences between object oriented and function oriented programming	5
4	39.	Illustrate exception handling	5
4	40.	Explain methods in client side programming	5
4	41.	Explain methods in server-side program	5
1	42.	Explain functions without parameters and with return value	7
1	43.	Explain functions without parameters and without return value	7
1	44.	Define operator associativity illustrate with an example.	7
1	45.	Illustrate implicit and explicit type conversion.	7
1	46.	Explain relational operators with suitable examples	7
1	47.	Explain the working of nested for loop with syntax and example	7
1	48.	Write a python program to generate Fibonacci series	8
1	49.	Write a python program for binary search	8
1	50.	Explain operator precedence with an example program.	8
1	51.	Explain break ,continue and pass statements with suitable examples	8
1	52.	Explain the difference between while and do while loop with suitable example	8
1	53.	Illustrate definite and indefinite loops in python .	8
3	54.	Implement data encapsulation	10
3	55.	Explain multilevel inheritance with example	10
3	56.	Explain multiple inheritance with example	10
3	57.	Illustrate operator overloading with example	10
3	58.	What is method overridding? explain	10

4	59.	Explain multithreading	10
4	60.	Describe client side program in socket programming	10
4	61.	Implement server side program in socket programming	10
1	62.	Explain and illustrate different types of for loops in python	15
1	63.	Write a note on conditional statements in python with example	15
2	64.	Explain different flags in regular expression	15
2	65.	Explain any 5 meta character with example in regular expression	15
2	66.	Write a note on methods in list	15
2	67.	Explain methods in tuple	15
2	68.	What are the methods in dictionary	15
4	69.	Explain read, readline ,readlines, write, writelines methods in python	15
4	70.	Write a program to write student details into a new file by reading data from other two files	15
4	71.	Explain DML and DDL in DBMS	15

MODEL QUESTION PAPER



Q.P Code: 56203

St. Philomena's College (Autonomous) Mysore
III Semester M.Sc -Final Examination December - 2019
Subject: COMPUTER SCIENCE
Title: PYTHON PROGRAMMING (SC)

Time: 3 Hours Max Marks: 70

PART –A

Module - 3

6. a. Write a python program to implement data encapsulation and explain **07**

   b. Write a python program to implement multiple inheritance and explain **08**

OR

7. a. Write a python program to implement multilevel inheritance and explain. **07**

   b. Write a python program to implement method overriding and explain **08**

Module - 4

8. a. Write TCP client program and explain **08**

   b. Write a simple program to implement multithreading in python. [3 threads] **07**

OR

9. a. Write TCP server program in python and explain. **08**

   b. Define the following operations in DBMS with syntax and example. **07**

      i) Create

      ii) Retrieve

      iii) Insert

      iv) Delete

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MODEL QUESTION PAPER

Paper: Python Programming (SC) **QP CODE :56203**

Duration :3hrs **Max. Marks:70**

1	**Answer any five of the following**		5*2=10
a	Define literals. Give example		
b	What is // operator?		
c	What is id () method in python?		
d	Define a list.		
e	Define a tuple.		
f	Mention the representation of access specifiers In python		
g	What is a socket?		
	Answer any one full question from each module		15*4=60
		Module 1	
2	a	Explain functions with parameters and with return value	5+5+5
	b	Write a program to convert Celsius to Fahrenheit	
	c	Write a program to convert Fahrenheit to Celsius	
		OR	
3	a	Explain functions without parameters and with return value	7+8
	b	Write a python program to generate Fibonacci series	
		Module -2	
4	a	Write a program to implement dictionary and its key	5+5+5
	b	Write a program to sort a list using bubble sort	
	c	Write a program to implement recursion	
		OR	
5	a	Explain different flags in regular expression	15
		Module-3	
6	a	Implement init()method	5+10
	b	Explain multilevel inheritance with example	
		OR	
7	a	What are get and set methods	5+10
	b	Illustrate operator overloading with example	
		Module-4	
8	a	Illustrate exception handling	5+5+5
	b	Explain methods in client side programming	
	c	Explain methods in server-side program	
		OR	
9	a	Write a program to write student details into a new file by reading data from other two files	15