	ST. PHILOMENA'S COLLEGE (AUTONOMOUS), MYSORE		
	PG DEPARTMENT OF COMPUTER SCIENCE		
	QUESTION BANK (REVISED CURRICULUM 2020 ONWARDS)		
	SECOND YEAR- THIRD SEMESTER (2020-22 BATCH)		
	COURSE TITLE (PAPER TITLE): PYTHON PROGAMMING		
	QP CODE: 86351		

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.	Implement super key ().	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	8

		example	
	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 over ridding? 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, read line ,read lines, write, write lines 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

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

1.   **Answer any FIVE questions:**   5×2=10

   a.   Define interpreter and compiler.

   b.   Define list.

   c.   Explain recursion.

   d.   Define truncated division (||) operator in python.

   e.   Define inheritance in python with syntax.

   f.   What is socket?

   g.   Define Access specifiers in python with their representation.

PART –B

Answer one full questions from each module.:   4x15=60

Module - 1

2.   a.   Define different definitions of for loop with syntax, usage and example.   10

   b.   Define Break, continue and pass in python with example program   05

OR

3.   a.   Write a python program to convert Fahrenheit to Celsius and Celsius to Fahrenheit.   10

   b.   Write a python program to find largest of 3 numbers using user input.   05

Module - 2

4.   a.   Write a python program to sort a list using bubble sort with user input.   07

   b.   Write a python program to create a dictionary and find the key given by the user input   08

OR

5.   a.   Write a python program to search an element in a list using binary search with recursion.   07

   b.   Write a python program to implement exception Handling and explain.   08

PTO

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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