

Academic Year: 2023-24 (ODD)

Test : Internal Examination I
Course Code & Title : 21CSC203P (Advanced Programming Practice)
Year & Sem : II Year/ III Sem.

Date & Session : 19.08.2023 (FN)
Duration : 1 Hour
Max. Marks: 30

Part - A

Answer all questions

(10Q x 1M = 10 Marks)

Q. No	Question	Marks	BL	CO	PO
1	C++ belongs to which paradigm a) Parallel b) OOP's c) Declarative d) Symbolic	1	1	1	1
2	Map() function available in a) JAVA b) C c) C++ d) Python	1	1	1	1
3	What is the oputput List=[22,23,25] S=(reduce(lambda x,y : x+y, List)) a) 22 b) 23 c) 70 d) None	1	2	1	1
4	JAVA is platform independent language a) True b) False c)None d) Can't say	1	1	1	1
5	Intermediate code of JAVA is a) machine b) HLL c) Object d) Byte	1	1	1	1
6	Programming Language and Programming Paradigm are same a) True b) False c)None d) Can't say	1	1	1	1
7	Object Serialization refers to the process of converting an object's state into a format that can be a) stored b) transmitted c)reconstructed later d) All of the above	1	1	1	1
8	Dynamic memory allocation is often used to allocate memory for object during run time a) True b) False c)None d) Can't say	1	1	1	1

9 C language is
a) low level
c) Mid Level

b) High Level
d) None of the above

1 1 1 1

10 Python was developed by
a) Guido van Rossum
c) Bjarne Stroustrup

b) Dennis Ritchie
d) James Gosling

1 1 1 1

Part B

Answer any three questions

3Q x 4M=12 Marks

11 Differentiate between Imperative and Declarative Programming Paradigm.

4 1 1 1

12 What is inline function and lambda function define it with the help of example.

4 1 1 1

13 Write a program to print Fibonacci Series.

4 2 2 1

14 Write a program to find out the factorial of a number.

4 2 2 1

Part C

Answer all questions

1Q x 8M= 8 Marks

15. (A) Explain Bohm's Jacopini algorithm with the help of suitable example.

8 2 2 1

(OR)

(B) What is constructor? Write the code to implement it and explain the application of constructor in the program.

8 1 2 1