



Student Name					
Date		Grade	XII	Roll No.	
Subject	Computer Science	Marks	70	Teacher's Sign	

1	Act of representing essential features without background detail is called _____.	1
2	_____ is called the instance of a class.	1
3	Differentiate between an object and a class.	3
4	Differentiate between static and dynamic binding.	3
5	Explain LEGB rule.	2
6	Explain the importance of self in Python classes.	3
7	Predict the output of the following code snippet (i) ptr=40 def result(): print ptr ptr=90 def func(var): if var<=60: ptr=30 print ptr result() func(60) func(70)	3
8	Define a class ITEMINFO in Python with the following description: Icode (Item Code) Item (Item Name) Price (Price of each item) Qty (quantity in stock) Discount (Discount percentage on the item) Netprice (Final Price)	5
9	Explain multiple inheritance with the help of an example.	2
10	Write a function that takes a sorted list and a number as an argument. Search for the number in the sorted list using binary search.	3
11	What is Queue?	2
12	Give one example of postfix expression.	2
13	Write a function that takes three argument 1st input file, 2nd output file and 3rd transformation function. First argument is the file opened for reading, second argument is the file opened for writing and third argument is a function, which takes single string and performs a transformation of your choice and returns the transformed string. The function should read each line in the input file, pass the line through transformation function and then write transformed line to output file. A transformation can be - capitalize first alphabet of every word.	5
14	range() function in python does not include the stop value. Write a generator function equivalent to range() function that includes the stop value also. The function will take three arguments start, stop and step and will generate the desired list.	5
15	. Write a program, to accept a date as day, month & year from user and raise appropriate error(s), if legal value(s) is not supplied. Display appropriate message till user inputs correct value(s).	5
16	Write a function called oops that explicitly raises a Index Error exception when called. Then write another function that calls oops inside a try/except statement to catch the error. What happens if you change oops to raise Key Error instead of Index Error?	5
17	Write syntax of raise statement.	3
18	What is the purpose of yield statement?	3
19	List the situation(s) in which the code may result in IOError?	3
20	What does the seek() and seekn() functions do?	2

21	How is write() different from writelines()?	3
22	Compare & contrast read(), readline() and readlines().	3
23	Write a function that writes a structure to disk and then reads it back and display on screen.	2