INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

COMPUTER SCIENCE (083)

CLASS: XII   MAX. MARKS: 20

DATE: 10.05.2021   TIME ALLOWED: 40 Minutes

INSTRUCTIONS:

(a) All questions are compulsory.
(b) Programming language is Python.

1. Which of the following can be used as valid variable identifiers in python?   1
   i) 4Sum   ii) Total pay   iii) Number#   iv) my_string

2. Evaluate the expression given below: 1
   (7+3)*5//4+(6+4)/2

3. Identify the mutable and immutable data types from the following: 1
   i) List   ii) Tuple   iii) Dictionary   iv) String

4. Which one is valid relational operator in python?   1
   i) /   ii) =   iii) = =   iv) and

5. Write a statement in Python to declare a dictionary namely **Day** whose keys are 1, 2, 3 and 1
   values are Monday, Tuesday and Wednesday respectively.

6. Predict the output: 1
   x = (1,(2,(3,(4,))))
   print(len(x))
   print(x[1][0])

7. Find the errors in the following code(if any) and correct the code by rewriting it and   2
   underlying the corrections:
   x=int("enter value for x:"))
   y= 5
   for x in range[0,11]:
       if x = y:
          print(x+y)
       Else:
           print(x-y)

8. Convert the following **for loop** into **while loop**:   2
   N = int(input("Enter a number from 1 to 25 :"))
   for k in range(1,N+1) :
           print(k, end = "\t")

9. What is difference between actual parameter and formal parameter? Explain with suitable example.   2

10. Give the output: 2

```python
def allfunction():
    global ch
    ch = 8
    ch = ch+2
    print(ch)
ch = 23
allfunction()
```

11. Write a user defined function large() to find the maximum of 3 integers. Accept the integers from the user and pass it to the function large(). The function large() should return the maximum of the three. The result to be printed outside the function.   3

12. Write a program to find the factorial of a number using recursion concept.   3

End of the Question Paper