Assessment Procedure

Python Programming- CPCC08

The assessment procedure of this course was done by an online exam and practical exam. The total mark for the exam was 40 and for practical it was 10. The minimum pass percentage was 50 %. Those who secured minimum pass marks in both were declared qualified. A few sample questions are given below:

CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA
VALUE ADDED CERTIFICATE COURSE EXAMINATION, MARCH 2018
CVAC020 Python Programming

I. What is the output of the following programs ?   1 Mark each (**5 Marks**)

1. def test(n, a): if a > n:
    return "a is big" else :
    return "a is not big" print(test(n))

2. def func(x): if(x==0):
    return 0 else:
    return func(x-1) print(func(2))

3. class person: Name="Manu"
    def_____init_(self,name): self.name=name
    def_____str_(self):
    return "welcome to my class"
    def_____repr_(self):
    return "welcome to my object"
    myobj=person("John") print(myobj.Name) print(str(myobj))

4. a=b,c=d=1,2 f=[a,b,c,d]
    print(f[2::-2])

5. j=(2,4,7,8) l=[]
    l=append({'Name':'John','age':23})
    l.append(j)
    i[1][0]=[7,8]
    print(l)

II

1. Name any 3 ways you can format strings in Python.   **3 Mark**
2. Write code to Print items in the following list   **3 Mark**
    animals = ['tiger', 'lion', 'fox', 'leopard', 'elephant', 'cat']
    using a for loop to get output as follows :

```
cat
elephant
leopard
```

3. Write Code to perform the following with suitable list methods and associated imports **3 Mark**
   a) shuffle the list F=['Apple','Orange','Banana','Grape','Apple']
   b) Find the Index of 'Orange' in list F
   c) How many times 'Apple' appears in F

4. Write code to do the following with necessary module imports **3 Mark**

   a) current working directory to "C:\DATA\"

   Or

   b) open file.txt , read and print each line with line umber sample output

   1. xxxxxxxxxxx

   2. xxxxxxxxxxxxx

   3. Xxxxxxxxxxxxxx

5. Create class **Stocklist** with properties - **Name,Qty, Rate** and **Total 3 Mark Total** should be a **read only property** which reflects **Qty * Rate** any time

   The object must be created with Name,Qty,Rate like **x=Stocklist('Pen',40.,75)**

III LAB TEST (Do only after finishing and returning the answer sheet) 30 Mark Create a payroll maintenance system by creating salary class with methods to **add,check , delete and print checklist** of salary heads as key- value pairs with **Id,Name,basic,da ,HRA** and **Total= basic+da+hra.** The class should provide a property to get **total salary amount for all.** The program should **not allow any duplicate Employee** entry. All the data including Id must be received from **user inputs** Validation must be implemented in such a way to show blank data errors and non numeric data for **basic, da** and **HRA.** Checking and deletion should be by **Id. CheckList** must be for a single item or the whole persons as follows

ABC SALARY
CHECKLIST

ID	NAME	BASIC	DA	HRA	TOTAL

10 2	JOHN	4400.00	1000.00	1500.00	6900.00
10 3	SMITH	2500.00	800.00	1500.00	4800.00

TOTAL 11700.00

(Please save the successfully debugged program in the following share in your Reg.No)

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