## Assessment Procedure

### Python Programming- CPCC08

The assessment procedure of 'Python Programming' was done by an online exam and practical exam. The exam was out of 50 and practical was out of 20. The minimum pass mark for the online exam was 250 and for practical it was 10. The students who got minimum pass marks in both were declared passed. A sample question paper is given below:

## CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA
## VALUE ADDED CERTIFICATE COURSE EXAMINATION, MARCH 2019
## CVAC020- Python Programming

**I. What is the output of the following Python code? (2 Marks each)** 10 Mark

**1.**

```
str = 'Hello World!' print str[0]
```

**2.**

```
months=('Jan','F
eb','Mar','Apr')
months[2]="May
" print(months)
```

**3.**

```
x=0
while x<10:
        x+=1
        print(x)
```

**4.**

```
no=1234
print('The no is
:{:7.2f}'.format(no))
```

**5.**

```
a=[0,4,
5,6]
prin(a[2::-2])
```

**II answer the following. (Total 32 Marks)**

5. Name any 3 features of Python. 3 Mark
6. What is the difference between student.sorted() and sorted(student) if student is a List. 2 Mark
7. if x= [(1,2),(3,4) ] write python code to print x items as follows 3 Mark 1
   2
   3

Fr. Dr. Jolly Andrews
Assistant Professor-
In-charge of Principal
Christ College (Autonomous)
Irinjalakuda

8. Write a sample tuple assignment with variables m1,m2,m3 and values 'Jan','Feb',"Mar' respectively 1
Mark

9. write code to remove the last item from the following set 1

Mark fset= {"apple", "banana", "orange"}

10. What is the difference between remove() method and discard() method in set 2
Mark

11. Write code to Print items in the following list 3
Mark animals = ['tiger', 'lion', 'fox','leopard','elephant','cat']
alternatively using a for loop
output as follows :

t
i
g
e
r
f
o
x
elephant

12. Write the function of the following set methods 2
Mark
a) difference_update()
b) intersection_update()

13. Write a function print person with 3 parameters to receive Nationality,Name and age and print them in the order Nationality,Name and age. Parameter for Nationality must be optional and it should take 'Indian' by default. 3
Mark

14. Write code to 3
Mark
a) add path "C:\DATA\PYSTUDENT" to default module search path.
Or
b) open file.txt , read and print each line with line number sample output

1. xxxxxxxxxx
2. xxxxxxxxxxxx
3. xxxxxxxxxxxxxx

15. Create class Parrot in such a way to instantiate the class object as follows with Name

and age 3
Mark

```
# instantiate the Parrot
class blu = Parrot("Blu",
10)
miya = Parrot("Miya", 15)
```

The class should provide a class attribute species must be initialized as 'Bird' internally and must have to be accessed outside as follows:

```
print(blu.species)
```

16. Write code to check the given string is a palindrome 3
Mark

17. Print Factorial of a number using recursion 3
Mark

18. Create class **myschool** with students list consists of regno and name as key - value pairs The school object should be created with a school name . The class should provide methods to add, check and delete each student data, Enter marks in 4 subjects for each student and print progress report of each with pass/fail and grade. The class should provide a property to get total no of students.. Create the class and implement it in a schoolmanager program. 8
Mark

Fr. Dr. Jolly Andrews
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