

O. P. JINDAL SCHOOL, SAVITRI NAGAR
Periodic Test - I (2023 – 2024)

Class : XII
Subject: Computer Science (083)

MM: 20
Time: 1 Hr.

General Instructions: All questions are compulsory.

1. Question Paper contains 15 Questions.
 2. Questions 01-05 in Section-A are MCQ type answers each carrying 1 Mark.
 3. Questions 06-10 in Section-B are very short type answers each carrying 1 Mark.
 4. Questions 11-15 in Section-C are short type answers each carrying 2 Marks.
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Section-A

Multiple Choice Questions.

Q1. Which of the following is the correct output for below expression (1)

`print (3* 4 // 5 + 5 // 7 + 8 -2 + 4 // 2)`

- a. 32
- b. 8
- c. 10
- d. 8.0

Q2. Given an object `obj=(10,20,30,40,50,60,70,80,90)`.

What will be the output of `print(obj[3:7:2])` ? (1)

- a. (40,50,60,70,80)
- b. (40,50,60,70)
- c. (40,60)
- d. (40,50,60)

Q3. Assume that the position of the file pointer is at the begning of 3rd line in a text file. Which of the following option can be used to read all the remaining lines? (1)

- a. `myfile.read(n-3)`
- b. `myfile.read(n)`
- c. `myfilerealine()`
- d. `myfilereadlines()`

Q4. Which of the following is an invalid identifier from the following. (1)

- a. name
- b. section

- c. break
- d. class

Q5. Consider the following function headers. identify the correct statement:- (1)

- a. def correct(a=1,b=2,c):
- b. def correct(a=1,b,c=3):
- c. def correct(a=1,b=2,c=3):
- d. def correct(a=1,b,c):

Section-B

Very short type answers.

- Q6.** What is the difference between arguments & parameters. What is LEGB rule? (1)
- Q7.** Write one similarity & dissimilarity in list and strings. (1)
- Q8.** What do you mean by module, library and a package? (1)
- Q9.** What will be the output of the following. (1)

```
Mystring="Pythonforbeginners"  
Mystring[-18 : -7: 2]
```

- Q10.** What is pickling and unpickling method? Write read and write functions for Binary files. (1)

Section-C

Short type answers.

- Q11.** Write the output for the following: (2)

```
Text= "OPJS@School"  
l = len (Text)  
ntext=""  
for i in range (0,l):  
    if Text[i].isupper():  
        ntext=ntext +Text[i].lower ()  
    elif Text[i].isalpha():  
        ntext=ntext+Text[i].upper ()  
    else:  
        ntext=ntext+'#'  
print (ntext)
```

- Q12.** Rewrite the following code in python after removing all syntax error(s). (2)
Underline each correction done in the code.

```

Num=int(rawinput("Number:"))
sum=0
for i in range(10,Num,3)
    Sum+=1
    if i%2=0:
        print(i*2)
    Else:
        print(i*3 print Sum)

```

Q13. What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables first, second and third. (2)

```

from random import randint
LST=[5,10,15,20,25,30,35,40,45,50,60,70]
first = randint(3,8)
second = randint(4,9)
third = randint(6,11)
print(LST[first],"#", LST[second],"#", LST[third],"#")

```

(i) 20#25#25# (ii) 30#40#70# (iii) 15#60#70# (iv) 35#40#60

Q14. What do you understand by local and global scope of variables? How can you access a global variable inside the function, if function has a variable with same name. (2)

Q15. Write a user-defined function in Python that displays the number of lines starting with H in the file Para.txt (2)

Example, if the file contains:
Whose woods these are I think I know.
His house is in the village though;
He will not see me stopping here
To watch his woods fill up with snow.

Then the line count should be 2.