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Sample Question Paper (Term-I)

Class : XII	**Time Allowed** : 90 Minutes
Subject : (083) Computer Science	**Maximum Marks: 35**

General instructions:

The paper is divided into 3 Sections- A, B and C.

Section A, consists of Question 1 to 25 and student need to attempt 20 questions.

Section B, consists of Question number 26 to 49 and student need to attempt 20 questions.

Section C, consists of Question number 50 to 55 and student need to attempt 5 questions.

All questions carry equal marks (0.77 mark per question).

Section – A
Section A consists of 25 questions, attempt any 20 questions

1. Choose odd one out : -
   A. except
   B. with
   C. Import
   D. else

2. What will be the output of the following code segment?
   l=['A','a','Aa','aA']
   print(max(l))
   A. 'aA'
   B. 'A',
   C. 'a'
   D. 'Aa'

3. Which one of the followings is logical operator: -
   A. exponent
   B. modulus
   C. and
   D. floor division

4. Which of the following statement(s) is/are true?
   A. When you open a file for reading, if the file does not exist, an error occurs
   B. When you open a file for writing, if the file does not exist, a new file is created
   C. When you open a file for writing, if the file exists, the existing file is overwritten with the new file
   D. All of the mentioned

5. What is the length of the given tuple?
   t1=(1,2,(3,4,5))
   A. 1
   B. 2
   C. 3
   D. 4

6. To read the remaining lines of the file from a file object infile, we use _
   A. infile.read(2)
   B. infile.read()
   C. infile.readline()
   D. infile.readlines()

7. Which is not a string out of the followings: -
   A. '55'
   B. "X.Y"
   C. "Hello 1"
   D. None of the above

8. Name the module which will be needed to use the function max( ) : -
   A. math
   B. random
   C. stat
   D. No module required

9. Which command we can use to remove string "hello" from list1, Given, list1=["hello"]
   A. list1.remove("hello")
   B. list1.pop(list1.index('hello'))
   C. Both a & b
   D. None of these

10. A variable declared/defined outside a specific function is known as: -
   A. Local variable
   B. Specific variable
   C. Global Variable
   D. None of the above

11. Which of the following is not a function of tuple?
   A. update( )
   B. index( )
   C. len( )
   D. count( )

12. ………………… function is used to know the position of file pointer in a file: -
   A. get_pos()
   B. tell()
   C. seek()
   D. position()

13. What is the delimiter in following csv file':
       f=open('abc.csv',delimiter='\n'):
   A. Tab space
   B. Comma
   C. New Line Character
   D. Blank Space

14. Write the output of the following:
   a=(1, 2, 3, 2, 3, 4, 5)
   print(min(a) + max(a) + a.count(2))
   A. 13
   B. 6
   C. 8
   D. Error

15. Which of the following content can be represented by a binary file?
   A. image
   B. video
   C. audio
   D. All of the above

16. In which of the format the end of the line is denoted by '\n' and '\r'?
   A. Binary
   B. Text
   C. Both
   D. None of above

17. Which method is used for writing data in binary file?
   A. dump( )
   B. load()
   C. seek( )
   D. tell( )

18. Number of lines required for one record in a csv file:
   A. It depends on the size of the record
   B. 2
   C. 1
   D. None of these

19. Which of the following will raise an error if the given key is not found in the dictionary ?
   A. del statement
   B. pop()
   C. getitem()
   D. all of these

20. In file handling, what does this term means "r, a"?
   A. read, append
   B. append, read
   C. write, append
   D. none of the mentioned

21. Which of the following statement is true:
   A. csv is not available in alphanumeric
   B. csv file is faster to handle
   C. csv file is smaller in size
   D. csv is used for large data transfer

22. What is the meaning of 'r+b' in binary mode?
   A. write and read
   B. read only
   C. read and write
   D. write only

23. The read() method returns
   A. String
   B. A List of integers
   C. A list of characters
   D. A List of Lines

24. In windows csv file cannot be opened with:
   A. Microsoft Excel
   B. Microsoft word
   C. Acrobat Reader
   D. Notepad

25. Delimiter in csv file may be changed.
   A. True   B. False
   C. Both True and False   D. None

26. Write the output of the following.
A = tuple("Python")
print(A)
A. (python)
B. ("Python")
C. ('P' , 'y' , 't' , 'h' , 'o' , 'n')
D. None of the above

27. Assume the content of text file, 'student.txt' is:
Ramesh is student

Radha is girl

KVS

Jaipur

What will be the data type of data_rec?
myfile = open("student.txt")
data_rec = myfile.readlines()
myfile.close()
A. string
B. list
C. tuple
D. dictionary

28. which command we use cane use To remove string "hello" from list1,
Given, list1=["hello"]
A. list1.remove("hello")
B. list1.pop(list1.index('hello'))
C. both a & b
D. none of these

29. Which of the following is not a declaration of the dictionary?
A. {1: 'A', 2: 'B'}
B. dict([[1,"A"],[2,"B"]])
C. {1,"A",2"B"}
D. { }

30. Write the output of-
d={0:'zero',1:'one',2:'two',3:'three'}
for i in d:

   print(i, end=' ')
A. **{**0:'zero',1:'one',2:'two',3:'three'}
B. 'zero','one','two','three'
C. Error
D. 0 1 2 3

31. Which statement does not show any error after execution? Given L=[1,2,3,4]
A. print(L+L)
B. print(L*L)
C. print(L-L)
D. All of the mentioned

32. What will be the output of following code:
import pickle
Emp_Names=['Umesh', 'Sapan', 'Mukesh', 'Harish', 'Naval']
 list1=[ ]
 for i in range(-1,-6,-2):
     list1.append(Emp_Names[i])
 with open ('emp.dat', 'wb') as fout:
     pickle.dump(list1,fout)
 with open ('emp.dat', 'rb') as fin:
     newlist=pickle.load(fin)
 print(newlist)

A. ['Umesh', 'Sapan', 'Mukesh', 'Harish', 'Naval']
B. ['Umesh', 'Sapan', 'Mukesh']
C. ['Naval', 'Mukesh', 'Umesh']
D. ['Naval', 'Umesh', 'Mukesh']

33. Which statement(s) are true about the pickle module in data file handling?
A. It is used for serialization and deserialization of any python object structure
B. It provides two methods dump( ) and load( )

C. Both (a) and (b)
D. It provides two methods seek( ) and tell( )

34. Identify correct output
      def fun3(a,b,c):
            return a+1,b+2,c+3
      t=fun3(10,20,30)
      print(t)
A. 11,22,33
B. 11 22 33
C. (11, 22, 33)
D. (11 22 33)

35. Evaluate the expression given below if A = 16 and B = 15.

A % B // A

A. 0.0
B. 0
C. 1.0
D. 1

36. What will be the output of the following python code:
      def A_func (x=10, y=20):
            x =x+1
            y=y-2
            return (x+y)
      print(A_func(5),A_func())
A. 24,29
B. 15,20
C. 20,30
D. 25,30

37. What will be the output of the following
      python code:
      val = 100
      def display(N):
      global val
      val = 50

      if N%14==0:
            val = val + N
      else:
            val = val - N
      print(val, end="@")
      display(40)
      print(val)
a) 100@10
b) 50@5
c) 5@50
d) 100@10@

38. What will be the possible output of the following code?
import random
List=['Delhi','Mumbai','Chennai','Kolkata']
for y in range(4):
      x=random.randint(1,3)
print(List[x],end='#')
A.Delhi#Mumbai#Chennai#Kolkata#
B. Mumbai#Chennai#Kolkata#Mumbai#
C. Mumbai# Mumbai #Mumbai # Delhi#
D.Mumbai# Mumbai #Chennai # Mumbai

39. Predict the output of the following code (A)
def fun3(num1,num2):
    for x in range(num1,num2):
      if x%4==0:
        print(x,end=' ')
 fun3(10,20)
    a. 10 12 16 20
    b. 12 16
    c. 12 16 20
    d. 16

40. Considering the following function/method in python which read lines from a text file "INDIA.TXT", to find and display the occurrence of the word "India". Find the missing statement in following code:
def countword():
 f=open("INDIA.TXT", 'r')

```
count=0
data=_____
word=data.split()
for i in word:
  if i.lower()=='india':
    count=count+1
print("no of words=",count)
f.close()
```
(A) f.read()
(B) f.readline()
(C) f.readlines
(D) f.write()

41. Consider the code given below and Identify Which message will never be printed
```
def prog(name):
    for x in name:
        if x.isalpha():
            print("alphabet")
        elif x.isdigit():
            print("digit")
        elif x.isupper():
            print("upper")
        else:
            print("all the best")
prog("vishal123@gmail.com")
```

   A. alphabet
   B. digit
   C. upper
   D. all the best

42. You have given a file 'stu.txt'
my kv is best in the world. i am a best student.
i like computer.
What will be the output of the following code?
```
myfile = open("stu.txt")
str = myfile.readlines()
print(str)
myfile.close()
```
(A) read first line
(B) read entire file
(C) read second file
(D) None of above

43. The file "new.txt" contains the following content:
my poem
Humpty Dumpty sat on a wall
Humpty Dumpty had a great fall
All the king's horses and all the king's men
Couldn't put Humpty together again
Poem is good but do not like
Considering the above file, what output will be produced by the following code?
```
f=open("new.txt",'r')
a=f.readline()
b=f.read(4)
c=f.readline()
d=f.readline()
print(c)
f.close()
```
(A) a great fall
(B) ty Dumpty sat on a wall
(C) Dumpty sat on a
(D) Humpty together again

44. Identify the Output for the below code:
```
z=5
def A_func (x=10, y=20):
   x =x+z
   y=y-z
   return (x+y)
print(A_func(5),A_func())
```
   A) 20 25
   B) 25 30
   C) 10 20
   D) 15 25

45. The readlines() method returns _____
   A. a string
   B. a list of lines
   C. list of single characters
   D. a list of integers

46. Read the code given below and answer the question:
f=open("sample.txt",'w')
f.write("Morning")
f.close()
If the file contains "Good" before execution, what will be the contents of the file after execution of this code?
A. Good Morning
B. Good
C. Morning
D. None of these

47. To open a file Myfile.txt ,which is stored in D Drive under folder CS, for READING , we can use
A. F=open("d:\CS\Myfile.txt","rw")
B. F=open(file="d:\CS\Myfile.txt","wr")
C. F=open(r"d:\CS\Myfile.txt","r")
D. F=open("d:\Myfolder\\Myfile.txt","w")

48. Assume the content of text file, 'student.txt' is:

Ramesh is student
Radha is girl
KVS
Jaipur
What will be the data type of data_rec?
myfile = open("student.txt")
data_rec = myfile.read()
myfile.close()
A. string
B. list
C. tuple
D. dictionary

49. Which of the following statement will return an error? T1 is a tuple.
A. T1 + (23)
B. T1 + [3]
C. Both of the above
D. None of the above

Section – C

Section C consists of 06 questions, attempt any 05 questions.

Bhavesh is learning to work with Binary files in Python using a process known as Pickling/Un-pickling. His Computer Science teacher given him the following incomplete code, which is creating a Binary file namely Record.dat and then opens, reads and displays the content of this created file.

```
import _____            #Statement-1
L1=list()
for i in range(4):
    L.append(i+i)
f1=open("Record.dat", ____) #Statement-2
_____(L1,f1)            #Statement-3
f1.close()
f2=open("Record.dat", "rb" )
L2=_____(f2)            #Statement-4
f2._____               #Statement-5
print(L2)                 #Statement-6
```

50. Which module should be imported in Statement-1.
A. pickle
B. csv
C. file
D. text

51. Which file mode to be passed to write data in file in Statement-2.

A. w+

B. w
C. wb
D. a

52. What should be written in Statement-3 to write data onto the file.
A. dump()
B. write()
C. pickle.dump()
D. writeline()

53. Which function to be used in Statement-4 to read the data from the file.
A. load()
B. readline()
C. readlines()
D. pickle.load()

54. Which function to be used in Statement-5 to close the file Record.dat
A. dump()
B. load()
C. exit()
D. close()

55. The output after executing Statement-6 will be –
A. 0 2 4 6
B. {0, 2, 4, 6}
C. [0, 2, 4, 6]
D. (0, 2, 4, 6)

0-O-o- Best of Luck –o-O-0