

# KENDRIYA VIDYALAYA SANGATHAN JAIPUR REGION

## 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 students need to attempt 20 questions.

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

Section C, consists of Question number 50 to 55 and students 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

- Choose invalid identifier : -
  - My-age
  - \_AGE
  - 1st\_Value
  - My Age
- Which one of the followings is a jump statement:
  - break
  - continue
  - pass
  - All of the above
- Which of the following is a mutable sequence data type:
  - string
  - list
  - tuple
  - All of the mentioned
- Suppose  $t = (1, 2, 4, 3)$ , which of the following is incorrect?
  - `print(t[3])`
  - `t[3] = 45`
  - `print(max(t))`
  - `print(len(t))`
- Which of the following is not a proper file access mode?
  - append
  - read
  - write
  - close
- csv stands for:
  - Comma Separated Value
  - Common Shift Value
  - Chief Super Value
  - Common Separated Value
- Which of the following can be used to delete item(s) from a dictionary?
  - del statement
  - get()
  - getitem()
  - all of these
- If no argument is given, then `pop()` returns and removes the \_\_\_ element of the list. Fill in the Blank space.
  - None
  - first
  - last
  - all
- Which method can not be used to read from files?
  - read()
  - readlines()
  - readline()
  - readlines(<filename>)

10. The \_\_\_ file mode is used when user want to write data into a binary file.  
 A. rb  
 B. r+  
 C. wb  
 D. w+
11. Which module is used with binary files?  
 A. math  
 B. csv  
 C. random  
 D. pickle
12. What is the default delimiter of a csv file:  
 A. New Line Character '\n'  
 B. Comma  
 C. Tab Space  
 D. Blank Space
13. What will be the output of below Python code?  

```
tupl=([2,3],"abc",0,9)
tupl[0][1]=1
print(tupl)
```

 A. ([2,3],"abc",0,9)  
 B. ([1,3],"abc",0,9)  
 C. ([2,1],"abc",0,9)  
 D. Error
14. Best option for the python function is  
 A. A function is a complete program  
 B. A function is a block of code identified by its name  
 C. A function must return a values  
 D. A function can be called without any call
15. What is printed by the following statements?  

```
D1 = {"cat":17, "dog":6, "elephant":23, "bear":20}
print ("dog" in D1)
```

 A. True  
 B. False  
 C. Error  
 D. None
16. If you are opening a binary file in read mode, then the file must exist otherwise what happens?  
 A. Compile time error occur  
 B. Run-time error raises  
 C. Not any error raises  
 D. None of these
17. Which of the following represents mode of both writing and reading binary format in file?  
 A. wb+  
 B. wb  
 C. w  
 D. w+
18. Which statement(s) are related to pickling?  
 A. process by which python object is converted to a byte stream  
 B. dump( ) is used for pickling  
 C. We need to close the file after pickling  
 D. All of these
19. Which of the following creates a tuple?  
 A. tuple1=("a","b")  
 B. tuple1[2]=("a","b")  
 C. tuple1=(5)\*2  
 D. None of the above
20. The \_\_\_\_\_ method of pickle module reads data from a binary file?  
 A. load( )  
 B. dump( )  
 C. seek( )  
 D. tell( )
21. Which operator is known as floor division in python: -  
 A. /  
 B. %  
 C. //  
 D. \*\*
22. Is it necessary to have header line as first line in csv file:  
 A. No  
 B. Yes  
 C. Both Yes and No  
 D. None
23. In which format does the readlines( ) function give the output?  
 A. Integer type  
 B. list type  
 C. string type  
 D. tuple type

24. Choose correct output for the following code
- ```
def check(x,y):
    if x != y:
        return x+5
    else:
        return y+10
print(check(10,5))
```
- A. 15  
B. 20

- C. 5  
D. 10

25. What is the delimiter in following csv file:
- ```
f=open('abc.csv',delimiter='\t'):
```
- A. New Line Character '\n'  
B. Comma  
C. Tab Space  
D. Blank Space

## Section – B

**Section B consists of 24 questions. Attempt any 20 questions.**

26. What type of error is shown by following statement?

```
>>>t1 =(1, 2)
>>>t2
```

- A. ValueError  
B. TypeError  
C. NameError  
D. None of the above

27. Myfile=open("class.txt","r")  
Str=Myfile.read(12)

The above code will be equal to:

- A. file("class.txt","r").read(12)  
B. Myfile("class.txt","r").read(12)  
C. file("class.txt","r").myfile.read(12)  
D. myfile("class.txt","r").read(12)

28. What will be the output of the following code segment?

```
list1 = [10,20,30,10,40,10]
print(list1.index(10))
```

- A. [0]  
B. [0,3,5]  
C. 0  
D. 1 3 5

29. Find the output of the following python program

```
for i in range(1,15,4):
    print(i, end=',')
```

- A. 1,20,3  
B. 2,3,4  
C. 1,5,10,14  
D. 1,5,9,13

30. How many times will the following code be executed?

```
a=5
while a>0:
    print(a)
    print("Bye")
```

- A. 5 times  
B. Once  
C. Infinite  
D. None of these

31. Which command can we use to insert 5 to the third position in list1?

- A. list1.insert(3, 5)  
B. list1.insert(2, 5)  
C. list1.add(3, 5)  
D. list1.append(3, 5)

32. How do you read data from a binary file and after loading display the result also?

- A. fileobject=open("mybinary.dat", "rb")  
B. fileobject=open("mybinary.dat", "rb")  
objectvar=pickle.load(fileobject)  
C. import pickle  
fileobject=open("mybinary.dat", "rb")  
objectvar=pickle.load(fileobject)  
fileobject.close()  
D. import pickle  
fileobject=open("mybinary.dat", "rb")  
objectvar=pickle.dump(fileobject)  
fileobject.close()

33. Identify the error in the following code:

```
import pickle
mix_data=['hundred',2, [3,4,5]]
with open ('mixeddata.dat', 'rb') as fout:
    pickle.dump(mix_data , fout)
```

- A. Not any error is there
- B. with open ('mixeddata.dat', 'w')
- C. with open ('mixeddata.dat', 'wb')
- D. None of these

34. What will be the result of the following code:

```
def func1(a):
    a= a + '1'
    a = a * 2
    print(a)
>>> func1("good")
```

- A. good
- B. good2good
- C. good1good1
- D. error

35. Evaluate the following expression and identify the correct answer.

$16 - (4 + 2) * 5 + 2 ** 3 * 4$

- A. 54
- B. 46
- C. 18
- D. 32

36. Consider the following code and choose correct answer

```
def nameage(name="kishan", age=20):
    return age,name
t=nameage(20,"kishan")
print(t[1])
```

- A. kishan
- B. 20
- C. (kishan, 20)
- D. (20,kishan)

37. Predict the output for the below code snippet:

value = 50

def display (N):

```
    global value
    value = 25
    if N%7 == 0:
        value = value + N
    else:
```

value = value - N

```
print(value, end='#')
display(20)
print(value)
a. 50#50
b. 50#5
c. 50#30
d. 5#50#
```

38. Choose the correct output/s from the below code:

```
Import random
AR = [20, 30,40,50, 60, 70]
FROM = random.randint(1,3)
TO = random.randint(2,4)
for K in range(FROM, TO+1):
    print(AR[K], end='#')
a. 10#40#70#
b. 30#40#50#
c. 50#60#70#
d. 40#50#70#
```

39. What will be the output for the below code snippet:

```
def div(lst,n):
    for i in range(0,n):
        if lst[i]%5==0:
            lst[i]+=5
        else:
            lst[i]=lst[i]//2
```

lt=[45,20,23,54,5]

div(lt, len(lt))

for i in lt:

```
    print(i,end='#')
```

- a. 50#25#11.5#27.0#10#
- b. 50#25#11#27#10#
- c. 50#25#1#0#10#
- d. 225#100#1#0#25#

40. You have given a file 'book.txt'

**my kv is best in the world**

What will be the output of the following code?

```
myfile = open("book.txt")
str = myfile.read()
size = len(str)
print(size)
myfile.close()
```

- A. 27
- B. 18
- C. 22

D. 25

41. Predict the output for the below code:

```
def func(S):
    k=len(S)
    m= ''
    for i in range(0,k):
        if S[i].isalpha( ):
            m=m+S[i].upper( )
        elif S[i].isdigit( ):
            m=m+'0'
        else:
            m=m+'#'
    print(m)
func("Python 3.9")
```

- a. python0#0#
- b. Python0#0#
- c. PYTHON#0#0
- d. PYTHON0#0#

42. Consider the following function/method in python which reads 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()

43. You have given a file 'stu.txt'

**My kv is the best in the world. I am the best student. I like computers.**

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 line
D. None of above
```

44. Predict the Output for the below code

```
a=30
def call (x):
    global a
    if x%2==0:
        x=x+a
    else:
        x=x-a
    return(x)
print(call(67), end='#')
print(call(40),end='#')
a. 67#40
b. 37#70#
c. 27#60
d. Indentation Error
```

45. You have given a file 'school.txt'

**I read in class XII. My school name is KV. I like it very much. I live in India**

What will be the output of the following code?

```
infile = open("school.txt")
x = infile.read()
y = x.count('in')
print(y)
infile.close()
A. 2
B. 3
C. 4
D. 5
```

46. You have given a file 'teacher.txt'

**I am a student of class XII. My best teacher is Mr. N. K. Singh. He is a very nice person. He teaches me computer science. I respect him very much. Every student loves him.**

What will be the output of the following code?

```
infile = open("teacher.txt")
x= infile.read()
b = x.count('is')
```

```
print(b)
infile.close()
```

- A. 2
- B. 3
- C. 4
- D. 5

47. To open a file Myfile.txt ,which is stored at d:\Myfolder, for WRITING , we can use

- A. F=open("d:\Myfolder\Myfile.txt","w")
- B. F=open(file="d:\Myfolder\Myfile.txt","w")
- C. F=open(r"d:\Myfolder\Myfile.txt","w")
- 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.readlines()
myfile.close()
```

- A. string
- B. list
- C. tuple
- D. dictionary

49. Which of the following Python codes will give same output tupl=(1,2,3,4)

- (i) print(tupl[:-1])
  - (ii) print(tupl[0:5])
  - (iii) print(tupl[0:4])
  - (iv) print(tupl[-4:])
- A. i, ii
  - B. ii, iv
  - C. i, iv
  - D. ii, iii, iv

## Section – C

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

Student of class 12 named Tarun, is working on **Binary File Module** in Python. He wants to create copy of “**student.dat**” binary file named as “**duplicate.dat**”. He has missed some logics and hence the code remained incomplete. Help him to complete the code So that he can do desired task.

```
..... #
Statement-1
def fileCopy():
    ifile = ..... #
Statement-2
    ofile = ..... #
Statement-3
    try:
        while True:
```

```
        rec=pickle.load(ifile)
        ..... #
Statement-4
    except EOFError:
        ifile.close()
        ofile.close()
        print("Copied Successfully")

def display1():
    ifile = open("student.dat","rb")
    print("----Records of student.dat file---")
    try:
        while True:
            rec=pickle.load(ifile)
            print(rec)
    except EOFError:
```

```

    ifile.close()

def display2():
    ofile = open("duplicate.dat","rb")
    print("----Records of Duplicate file---")
    try:
        while True:
            rec=..... #
Statement-5
            print(rec)
        except EOFError:
            ofile.close()
            ..... #
Statement-6
    display1()
    display2()

```

50. Which module is required to import at "Statement-1" for successful execution of the code given in the program?

- A. import csv
- B. import binary
- C. import pickle
- D. import text

51. Identify the missing code for blank space in line marked as Statement-2. Here he wants to open the "student.dat" file.

- A. open("student.dat","ab")

- B. open("student.dat","rb")
- C. open("student.dat","wb")
- D. None of Above

52. Identify the missing code for blank space in line marked as Statement-3. Here he wants to open the "duplicate.dat" file.

- A. open("duplicate.dat","wb")
- B. open("duplicate.dat","r+b")
- C. open("duplicate.dat","rb")
- D. None of Above

53. Write the missing code for the statement-4 where the duplicate.dat file should be update with new record which was read from student.dat file.

- A. pickle.dump(rec,ofile)
- B. pickle.load(ofile)
- C. pickle.dump(rec,ifile)
- D. pickle.load(rec,ifile)

54. He wants to read the records of the duplicate.dat file. Complete the missing statement for Statement-5

- A. pickle.load("duplicate.dat")
- B. pickle.read("duplicate.dat")
- C. pickle.read(ofile)
- D. pickle.load(ofile)

55. Write the exact function call at missing Statement-6. So that duplicate file can create and update successfully.

- A. display1()
- B. display2()
- C. fileCopy()
- D. All of Above

0-0-0- Best of Luck -o-0-0