

Please check total printed pages before start : 16

Roll No. :

PRE- TERM END (I) EXAM 2021-2022

SUBJECT : COMPUTER SCIENCE

CLASS : XII

Time : 90 minutes

Maximum Marks : 35

General Instructions:

- The question paper is divided into 3 Sections - A, B and C.
- Section A, consist of 25 Questions (1-25). Attempt any 20 questions.
- Section B, consist of 24 Questions (26-49). Attempt any 20 questions.
- Section C, consist of 6 case study-based Questions (50-55). Attempt any 5 questions.
- All questions carry equal marks.

SECTION-A

This section consists of 25 Questions (1 to 25). Attempt any 20 questions from this section. Choose the best possible option.

- 1 Out of following choose the correct identifier from the following: -
A. 4thPeriod B. For
C. S.I. D. Total%
- 2 Consider a declaration: -L=[1,23,"Junior",34.8]
Which of the following represents the datatype of object given above?
A. List B. Tuple
C. String D. Float
- 3 Find the output of following code:-
String1="Class Xii"

- String2="Term-1 Exam"
print(String1+" "+String2.upper())
- A. Class Xii Term-1 Exam
 - B. CLASS XII Term-1 Exam
 - C. Class Xii TERM-1 EXAM
 - D. Class Xii@Term-1 Exam
4. The _____ operator tells if an element is present in a sequence or not.
- A. into
 - B. in
 - C. inside
 - D. in to
5. This code produces output as:-
A=[7,9,2,[5,6],3]
print(A[3][1])
- A. 5
 - B. 3
 - C. 2
 - D. 6
6. Consider the following statement of Seek function in Python: -
f.seek(-20, 2) where f is the file object of binary file. This will move 20 steps backward from _____ location?
- A. Beginning of file
 - B. End of the file
 - C. Current position of file
 - D. Middle position of file.
7. The function read() is used to: -
- A. Read the entire content of the file in string form.
 - B. Read the entire content of the file in the form of list.
 - C. Read the content of the file line by line in form of list.
 - D. Read each line of the content of the file.
8. The mode "w+" is used to open the file for
- A. Read and write a text file.
 - B. Read and write a binary file.

- ~~C.~~ Write and read a text file.
- D. Write and read a binary file.
9. Which of the following statements is true in Python?
- A. Python doesn't read data from the file until you close the file using close() method.
- B. If the file is opened for writing and is not closed, data is not written into the target file.
- C. Python can write data to the file even if you do not open the file.
- D. None of the above
10. To open a file only for reading which of the following statements **cannot** be used:
- a) `f = open("PYTHON.txt")`
- b) `f = open("PYTHON.txt","rt")`
- c) `f = open("PYTHON.txt", "r")`
- d) `f = open("PYTHON.txt","w+")`
- A. a) and c) B. b) and c)
- C. only d) D. ~~b) and d)~~
11. Which of following is correct declaration of dictionary: -
- A. `M=[1:'January',2:'March',4:'September']`
- B. `M={1:'January',2:'March',4:'September'}`
- C. `M={1,'January':2,'March':4,'September'}`
- D. `M={1:'January';2:'March';4:'September'}`
12. Which of the following function call will cause error when calls the function header:- `def Change(p,q)`
- A. `Change(9,-3)`
- B. `Change(q=8,p=3)`
- C. `Change(2,q=7)`
- D. `Change(p=6,q)`

13. What is a variable defined outside all the function is known as _____
- A. Local variable
 - B. Auto variable
 - C. Global Variable
 - D. Static variable
14. Which of the following statements is true about tell() method?
- a) Tells the current position within the file.
 - b) Initial value of tell() is zero.
 - c) Move the current file position to a different location.
 - d) It changes the file position only if allowed to do so else returns an error
- A. A and B
 - B. Only A
 - C. Only B
 - D. None of these
15. Which of following function is not the built-in Python function?
- A. print()
 - B. type()
 - C. sqrt()
 - D. len()
16. Which of the following is correct to insert a single element in a tuple?
- A. F=2
 - B. F=(2)
 - C. F=(2,2)
 - D. F=(2,)
17. In a dictionary, key-value pairs are separated by..... Symbol.
- A. : (Colon)
 - B. ; (Semi-Colon)
 - C. , (Comma)
 - D. / (Forward slash)
18. Mehul wants to count that how many times the number 10 has come in Tuple:
- A. tup.count(10)
 - B. tup[10]
 - C. count.tup(10)
 - D. len(tup)
19. Which of the following is the correct syntax to read from a file using load function?
- A. pickle.load(<filehandle>,<object>)
 - B. <object> =load.pickle(<filehandle>)

- C. `<object> =pickle.load(<filehandle>)`
D. All of the above
20. Which of the following parameter needs to be added with `open` function to avoid blank row followed after each row in CSV file?
A. `delimiter`
B. `newline`
C. `writer, delimiter`
D. `file object`
21. Which are built in functions of `csv` module: -
a. `csv.reader()`
b. `csv.read()`
c. `csv.writer()`
d. `csv.writerow()`
A. a. and b
B. only d.
C. only b.
D a, c and d
22. Name the function to read from a CSV file:-
A. `read()`
B. `csv.reader()`
C. `csv.read()`
D. `load()`
23. Which of the following is not a correct statement for binary files?
A. Easy for carrying data into buffer
B. Much faster than other file systems
C. Characters translation is not required
D. Every line ends with new line character "\n"
24. The default delimiter of `csv` file is
A. colon
B. @
C. comma
D hyphen
25. Which is the correct statement for only writing the contents to the binary file.
A. `F=open("Personal.dat","wb")`
B. `f=open("Personal.dat","rb+")`

- C. `F=open("Personal.dat","wb+")`
D. `open("Personal.dat","rb")`

SECTION-B

This section consists of 24 Questions (26 to 49). Attempt any 20 questions.

- 26 Evaluate the following expression and identify the correct answer, $a + b \% c - 5$ is _____, if $a = 12$, $b=5$ and $c=3$.

- ~~A. 9~~ B. 11
C. 5 D. 7

- 27 Choose the correct output of the following code: -

```
for L in range(-2,7,3):  
    if L%2==0:  
        print(L*4,end="")  
    else:  
        print(L+3,end="")
```

- A. 8412 B. -8412
C. -8416 D. 8416

- 28 Find the output of following code and choose the correct option:

```
def power(a,b):  
    B=a**b  
    return B
```

```
def square(c):  
    return power(c,2)
```

`x=3`

```
print(square(x)+power(x,3))
```

- A. 27 B. 9
C. 81 D. 36

- 29 `Lst = [6,12,18,25,30,36,42]`

```
r = Lst[1] - 10
```

```
Lst.remove(6)
```

```
j=Lst.pop(2)
```

```
print(Lst[r],j)
```

~~A.~~ 30 25

B. 30 18

C. 25 18

D. 25 30

30 Choose the correct output:-

```
def change(a):
```

```
    m=""
```

```
    for i in range(0,len(a)):
```

```
        if(a[i].isupper()):
```

```
            m=m+a[i].lower()
```

```
        elif a[i].isalpha():
```

```
            m=m+a[i].upper()
```

```
        elif a[i].isdigit():
```

```
            m=m+a[i]+str(1)
```

```
        else:
```

```
            m=m+'@'
```

```
    print(m)
```

```
change('Pre Term-1 Exam')
```

A. Pre Term-1 Exam

B. pRE@tERM@11@eXAM

C. pRE@tERM-1@eXAM

D. pRE@tERM@1@eXAM

31 Choose the correct output of following:-

```
c=5
```

```
def f():
```

```
    global c
```

```
    c+=20
```

```
    return c
```

```
print(c)
```

```
print(f(),c)
```

~~A.~~ 5

B. 25

25 5

25 5

C. 5

D. 5

5 25

25 25

[P.T.O.]

- 32 Suneeta wants to write the code to add a record of an employee in an already created binary file named "EMP.DAT". Kindly help her in completing the missing code to open the file. Choose the correct option out of following: -

```
import pickle
mydata=[]
name=input("Enter Name:")
contactno=int(input("Enter contact number:"))
address=input("Enter address:")
mydata=[name,contactno,address]
f1=_____ #Line1
pickle.dump(mydata,f1)
f1.close()
```

- A. open("EMP.DAT","rb") B. open("EMP.DAT")
C. open("EMP.DAT","ab") D. open("EMP.DAT","wb")

- 33 MIN = 15

SCORE = 8

```
for i in range(1,4):
    Num = MIN + random.randrange(0,SCORE)
    print(Num,end=":")
SCORE-=1
```

- A. 24:21:20: B. 15:17:20:
C. 20:22:14: D. 14:21:21:

- 34 Python is a popular programming language.
Python can be used on a server to create web applications.
Python can be used alongside software to create workflows.
Python is able to connect to database systems.
Python can be used for rapid prototyping.

Consider the text file 'Python.txt'. Find the output of following code

given below: -

```
f = open('Python.txt','r')
tot=0
lines=f.readlines()
for j in lines:
    if j[7]=='c':
        tot+=1
print(tot)
```

A. 5

B. 4

C. 3

D. 2

35. A binary file "student.dat" has structure [admno, name, marks]. Complete the blank in Line 1 in code so that it would read contents of the binary file and display the sum of all students whose admno is greater than 503.

```
f = open('d:\student.dat','rb')
```

```
flag = False
```

```
ad=input("Enter student admission no. to be searched")
```

```
tot=0
```

```
while True:
```

```
    try:
```

```
        rec = pickle.load(f)
```

```
        if _____: #Line 1
```

```
            tot=tot+rec[2])
```

```
            flag = True
```

```
        except EOFError:
```

```
            break
```

```
if flag == False:
```

```
    print('No Records found')
```

```
else:
```

```
    print('Total marks =',tot)
```

f.close()

A. rec>505

C. rec[1]>505

B. rec[0]>505

D. rec[admno]>505

- 36 Python is a popular programming language.
 Python can be used on a server to create web applications.
 Python can be used alongside software to create workflows.
 Python is able to connect to database systems.
 Python can be used for rapid prototyping.

Consider the text file 'Python.txt'. Find the output of following code given below: -

```
f = open('Python.txt','r')
```

```
L=f.read(12)
```

```
J=f.read(7)
```

```
print(J)
```

A. popular

B. popula

C. opular

D a popul

- 37 Choose the correct output of following code:-

```
x='Computer CD Floppy RAM HARDDisk'
```

```
y=x.split()
```

```
for i in y:
```

```
    if len(i)<5:
```

```
        print(i.lower(),end=' ')
```

A. computer cd

B. cd floppy

C. floppy ram

D cd ram

- 38 Find the output of following code and choose the correct option:-

```
Employee={'name':'Suresh','Salary':4500,'age':23}
```

```
Employee['Ph']=88889
```

```
for i in Employee:
```

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

A. name Salary age

B. name Salary age Ph

- C. name:Suresh,Salary:4500,age:23
 D. name:Suresh,Salary:4500,age:23,Ph=88889

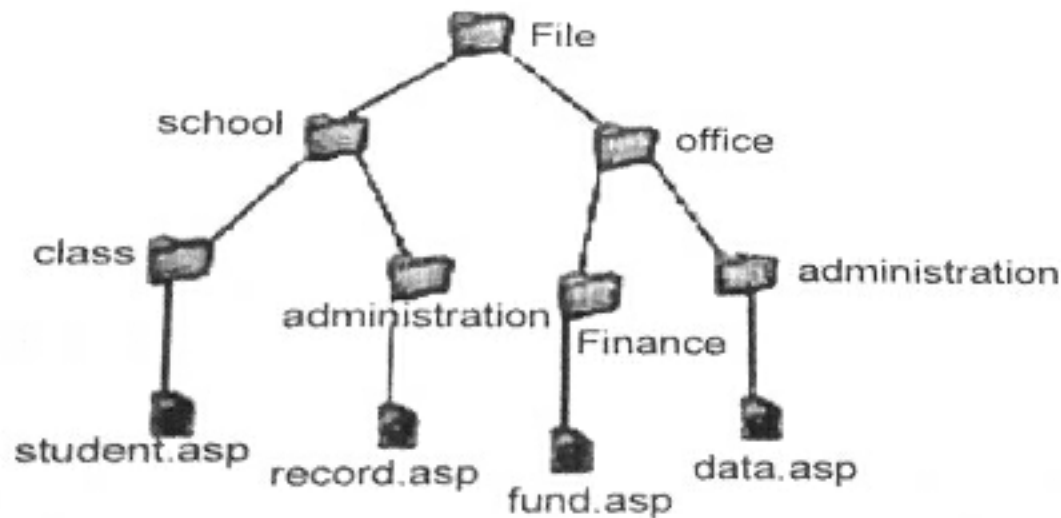
39 We work, we try to be better.
 We work with full zest.
 We give our best.

Consider the text file 'Python.txt'. Find the output of following code given below:

```
f= open('Python.txt','r')
K=f.readline()
M=f.readline()
L=f.read()
s=len(L)
```

- A. 41
 B. 15
 C. 17
 D. 16

40



Suppose root directory(File) and present working directory is school. What will be the absolute path of the file student.asp?

- A. school/class/student.asp
 B. school/class/..student.asp
 C. student.asp
 D. ..school/class/student.asp

41 Choose the correct output of following code:-

```
K=[1,3,5,2,6]
```

```
K[:2]=6,4,8,5
```

```
print(K[-5]*2)
```

A. 2

B. 10

C. 16

D. 6

42 CBSE Term Wise Exam.
All the best for exams

Consider the text file 'Para.txt'. Find the output of following code given below: -

```
f= open('Para.txt')
```

```
L=f.read()
```

```
c=0
```

```
for k in L:
```

```
    if k=='s' or 'S':
```

```
        c=c+1
```

```
print(c)
```

A. 5

~~B. 4~~

C. 6

D. 3

43 Radha wants to write a python code to read the text file 'Dairy.txt' and display those lines which are starting with alphabet 'H' and also wants to count these lines . Kindly help her in completion of the code:-

```
f= open('Dairy.txt')
```

```
L=f.readlines()
```

```
for k in L:
```

```
    if _____:
```

```
        print(k)
```

```
        c=c+1
```

```
print('No. of lines starting with H are:', c)
```

A. `k=='H'`C. `k[0]=='H'`B. `k in 'H'`D. `k[1]=='H'`

- 44 Which of the following line in code produces error in the following code:-

```
def interest(p,r=0.05,t=3):
    return p*r*t/100
print(interest(),end=' ')           #Line1
print(interest(2000),end=' ')      #Line2
print(interest(4000,0.1),end=' ')  #Line3
print(interest(4000,0.2,2),end=' ') #Line4
```

A. ~~Line1~~

B. Line2

C. Line3

D. Line4

- 45 Choose the correct output of following code:-

```
def vowel(st):
    nstr=""
    for c in st:
        if c in 'aeiouAEIOU':
            nstr+='*'
        else:
            nstr+=c
    return nstr
```

```
print(vowel("Test string"))
```

A. `T**t str**g`B. `a*e*i*o*u*A*E*I*O*U*`C. `*e** **j**`D. ~~`T*st str*ng`~~

- 46 Choose the correct output from following options:-

```
str="Hard work pays off"
print(str [1:3], str [5:-5] )
```

A. ~~ard work pay~~

B. ard work pays

C. ar work pay

D. ar work pays

47 Choose the correct output from following options:-

```
def modify(x,y=30):
```

```
    x=x+y
```

```
    y=x-y
```

```
    return x
```

```
c=modify(25)
```

```
print(c)
```

A. 50

B. 60

C. 30

D. 55

48 CBSE Term Wise Exams.

All the best for exams.

Term-1 exams are in November

Consider the text file 'Para.txt'. Find the output of following code given below: -

```
file= open('Para.txt')
```

```
L=file.readlines()
```

```
print(L[-1])
```

A. Term-1 exams are in November.

B. All the best for exams.

C. CBSE Term Wise Exams.

D. No output

49 Consider the text file 'story.txt'. Find the output of following code given below based on the content of story.txt: -

My first book was- Me and My Family.

It gave me a chance to be Known to the world.

```
def displayMeMy():
```

```
    num=0
```

```
    f=open("story.txt","r")
```

```
    N=f.read()
```

```
    M=N.split()
```

```
    for x in M:
```

```

if x=="Me" or x=="My":
    print(x)
num=num+1
f.close()
    print(num)
displayMeMy()

```

A. 4
B. 3
C. 5
D. No output

SECTION-C

CASE STUDY BASED QUESTIONS

This section consists of 6 Questions (50 -55) Attempt any 5 questions.

Deepesh works as a programmer with Airlines. He has been assigned the job of generating the details of all flights using the file "flight.csv". He has written a program to read the CSV file "flight.csv" which will contain the details of all the flights. He has written the following code. As a programmer, help him to successfully execute the given task.

```

import _____ # Line 1
def readFlight( ): # to read data from the CSV file
with _____('flight.csv', newline='') as f: # Line 2
reader = csv._____ (f) # Line 3
data_list = _____(reader) # Line 4
_____ (data_list) # Line 5
_____ # Line 6

```

- 50 Name the module he should import in Line 1.
- A. pickle
B. scv
C. csv
D. ccv

[P.T.O.]

- 51 Write the method that he should use to **open** the file to read data from it in Line2.
- A. read
B. ~~open~~
C. close
D. append
- 52 Fill in the blank in Line 3 to read the data from a csv file.
- A. readline
B. read
C. ~~readrow~~
D. ~~reader~~
- 53 Fill in the blank in Line 4 with the method to convert the data read from the file into a list.
- A. ~~list~~
B. sets
C. dictionary
D. tuple
- 54 Fill in the blank in Line 5 with the method to display a list.
- A. display()
B. show()
C. ~~print()~~
D. list()
- 55 Fill in the blank in Line 6 with the method to call the function defined in code.
- A. readFlight()
B. readFlight(csv)
C. readFlight("csv")
D. read()