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Sample Question Paper (Term-I)

Class : XII
Subject : (083) Computer Science

Time Allowed : 90 Minutes
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

- Select correct Boolean literal : -
 - true
 - TRUE
 - false
 - True
- Which one of the following is not a keyword:
 - if
 - else
 - While
 - try
- Predict the output of the following code

```
def fun2(list1):
    for x in list1:
        print(x.upper(),end="#")
fun2(['Rajesh','Kumar'])
```

 - [RAJESH,KUMAR]
 - RAJESH#KUMAR#
 - RAJESHKUMAR#
 - Rajesh#Kumar#
- Which command can we use to insert 5 at the third position in list1?
 - list1.insert(3, 5)
 - list1.insert(2, 5)
 - list1.add(3, 5)
 - list1.append(3, 5)
- In computer Binary Files are stored in term of:
 - Bit
 - Nibble
 - Bytes
 - Mnemonics
- If we want to know the current file position, which method can be applied:
 - seek()
 - tell()
 - ask()
 - position()
- The position of a file-pointer is governed by the_____
 - File mode
 - append mode
 - write mode
 - open mode
- Which of the following statement in python is not correct after using:`import csv`
 - csv.DictReader(Required Attributes)
 - csv.DictWriter(Required Attributes)
 - csv.dump(Required Attributes)
 - csv.reader(Required Attributes)

9. 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

10. Choose correct answer

```
def fun1(num):
    return num+5
print(fun1(5))
print(num)
```

- A. Print value 10
- B. Print value 5
- C. Name Error
- D. 25

11. Which option is correct about this program?

```
f=open("ss.txt","wb")
print("Name of the file:",f.name)
f.flush()
f.close()
```

- A. Compilation error
- B. Runtime error
- C. No output
- D. Flushes the file when closing them

12. In tuples values are enclosed in _____

- A. Square brackets
- B. Curly brackets
- C. Parenthesis
- D. None of the above

13. Which file can open in any text editor and is in human readable form?

- A. Binary files
- B. Video files
- C. Data files
- D. Text files

14. Which of the statements correctly explains the concept of seek() method:

- A. Tells the current position within the file
- B. It confirms whether you can move to the position in file or not.
- C. Indicates from where next read or write will take place
- D. Moves the current position of file object to a given specified position

15. A function may have: -

- A. Keyword arguments
- B. Default Arguments
- C. Positional arguments
- D. All of the above

16. Write the output of the following:

```
a=("Amit", "Sumit","Ashish","Sumanta")
print(max(a))
```

- A. Sumanta
- B. Ashish
- C. Sumit
- D. Amit

17. 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)

18. To open a file c:\scores.txt for writing, we use _____

- A. outfile = open("c:\scores.txt", "w")
- B. outfile = open("c:\\scores.txt", "w")
- C. outfile = open(file = "c:\scores.txt", "w")
- D. outfile = open(file = "c:\\scores.txt", "w")

19. Which of the following is not a tuple?

- A. P = 1,2,3,4,5
- B. Q = ('a', 'b', 'c')
- C. R = (1, 2, 3, 4)
- D. None of the above

20. Which of the following statement in python is correct after using: `import csv`
- `CSV.error(Required Attributes)`
 - `Csv.DictWriter(Required Attributes)`
 - `csv.writer(Required Attributes)`
 - `CSV.reader(Required Attributes)`
21. What will be the result of the following code?
- ```
dict = {"Jo" : 1, "Ra" : 2}
dict.update({"Ph":2})
print (dict)
```
- `{"Jo":1,"Ra" :2, "Ph" : 2}`
  - `{"Jo":1,"Ra":2}`
  - `{"Jo":1,"Ph" :2}`
  - Error
22. The data files can be stored as:
- text files
  - binary files
  - csv files
  - all of these
23. Which keyword is used to access a global variable in a function: -
- non local
  - global
  - def
  - return
24. Harish developed a python code to update a binary file "Stock.dat", He opened file using command `with open("Stock.dat", "rb+") as f:` later he realized that he forgot to close the file in program, what can be the consequences:
- file will be closed automatically
  - data written file will get deleted
  - file will not open in next run
  - unpredictable
25. To calculate 2 raised to the power 5 which of following can be used: -
- `pow(2,5)`
  - `2 ** 5`
  - Both A and B
  - None

## Section – B

**Section B consists of 24 questions, attempt any 20 questions.**

26. Write the output of the following:

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

- True
- False**
- Error
- None of the above

27. 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()
```

- read first line

**B. read entire file**

- read second file
- None of above

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

```
l=['A','a','Aa','aA']
print(max(l))
```

- 'aA'**
- 'A'
- 'a'
- 'Aa'

29. How many times will the following code be executed  
 for i in range(1,15,5):

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

- A. 3
- B. 4
- C. 1
- D. infinite

30. What is the output of the following ?

```
x = 123
for i in x:
 print(i)
```

- A. 123
- B. 1 2 3
- C. error
- D. infinite

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

```
list1=['Red', 'Green', 'Blue', 'Cyan', 'Magenta',
 'Yellow', 'Black']
print(list1[-4:0:-1])
```

- A. ['Cyan', 'Blue', 'Green', 'Red']
- B. []
- C. ['Cyan', 'Blue', 'Green']
- D. ['Cyan', 'Magenta', 'Yellow', 'Black']

32. Following code is the definition of a dictionary CINEMA, with a method in python to search and display all content in a pickled file Cinema.dat, where Mtype key of dictionary is matching with the value 'Comedy'. What will be there in blanks mentioned as Line1 and Line2 in the following code:

```
CINEMA={'MNO':__B,'MNAME':__, 'MTYPE':__}
import pickle
def Search():
 file1=open('Cinema.dat', 'rb+')
 try:
 while True:
 CINEMA=_____ #Line1
 if _____ #line2
 print(CINEMA)
 except EOFError:
 file.close()
```

- A. Line 1: pickle.dump(file1)  
Line 2: CINEMA['Mtype'] == 'Comedy':

- B. Line 1: pickle.load(file1)  
Line 2: CINEMA['Mtype'] == 'Comedy':

- C. Line 1: load(file1)  
Line 2: CINEMA['Mtype'] == 'Comedy':

- D. Line 1: pickle.dump(file1)  
Line 2: 'Mtype' == 'Comedy':

33. Following code is written to update a record in file opened with following code. What will be there in blanks mentioned as Line1 and Line2 in the following code:

```
import pickle
fin=open('emp.dat', 'rb+')
try:
 while True:
 _____=fin.tell() #line 1
 stu=pickle.load(fin)
 if emp['sal'] in[2000, 5000 10000]:
 emp['sal'] +=500
 fin._____ (_____) #line 2
 pickle.dump(emp, fin)
except EOFError:
 fin.close()
```

- A. Line 1: position= fin.tell( )  
Line 2: fin.seek(position)

- B. Line 1: position= fin.tell( )  
Line 2: fin.tell(position)

- C. Line 1: fin.seek( )  
Line 2: fin.tell(position)

- D. Line 1: fin.seek( )  
Line 2: fin.tell( )

34. Choose correct answer

```
def fun1(num):
 return num+5
print(fun1(5))
print(num)
```

- A. Print value 10
- B. Print value 5
- C. Name Error
- D. 25

35. What is the output of this expression,  
3\*1\*\*3?

- A. 27

B. 9

C. 3

D. 1

36. Identify correct output for the following code

```
def fun4(a,b=100):
```

```
 total=a+b
```

```
 print(total)
```

```
fun4(50,20)
```

A. 100

B. 120

C. 150

D. 70

37. Choose the correct option:

Statement1: Local Variables are accessible only within a function or block in which it is declared.  
Statement2: Global variables are accessible in the whole program.

a. Statement1 is correct but Statement2 is incorrect

b. Statement2 is correct but Statement1 is incorrect

c. Both Statements are Correct

d. Both Statements are incorrect

38. Based on the below code snippet. Find the maximum and minimum value assigned to variable FROM.

```
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. 1,3

b. 4,1

c. 1,4

d. 3,1

39. What is the output of the following code snippet?

```
def minmax(lst):
```

```
 s=l=lst[0]
```

```
 for i in lst:
```

```
 if i>l:
```

```
 l=i
```

```
 if i<s:
```

```
 s=i
```

```
 print(s,l)
```

```
lt=[45,2,23,54,5]
```

```
minmax(lt)
```

a. 2,5

b. 2,23

c. 2,54

d. 54,2

40. 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()
```

```
lcount = len(str)
```

```
print(lcount)
```

```
myfile.close()
```

(A) 1

(B) 2

(C) 3

(D) 4

41. What is the output of the following code snippet?

```
def short (lst, n):
```

```
 for i in range (0,n):
```

```
 if len(lst[i]>4):
```

```
 lst[i] = lst[i][0:4]
```

```
 else:
```

```
 lst[i]=lst[i]
```

```
sub=['IP', 'HINDI', 'CS', Mathematics, 'Chemistry',
'Physics']
```

```
short(sub,6)
```

```
for i in sub:
```

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

a. IP,HINDI,CS,Mathe,Chemi,Physi,

b. IP,HIND,CS,Math,Chem,Phys,

c. IP,HINDI,CS,Mathematics,Chemistry,Physics

d. IP,HIN,CS,Mat,Che,Phy,

42. What will be the output of the following Python code?

```
f=None
```

```
for i in range(5):
```

```
 with open("data.txt","w") as f:
```

```
 if i>2:
```

```
 break
```

```
print(f.closed)
```

(A) True

(B) False

(C) None

(D) Error

43. 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()

44. Predict the Output for the below code

```
a=30
```

```
def call (x):
```

```
 global a
```

```
 if a%2==0:
```

```
 x=x+a
```

```
 else:
```

```
 x=x-a
```

```
 return(x)
```

```
x=20
```

```
print(call(35), end='#')
```

```
print(call(40),end='#')
```

a. 5#70#

**b. 65#70#**

c. 60#70

d. Indentation Error

45. 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

46. What error is returned by following statement, if file "try.txt" does not exist?

```
f = open("try.txt")
```

A. Not found

B. FileNotFoundError

C. File does not exist

D. No error

47. 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

48. What is the purpose of line1 in following python code?

```
f = open("data.txt", 'r+')
```

```
print(f.tell())
print(f.read(6))
print(f.tell())
print(f.read())
print(f.tell())
f.seek(6,0) # line1
```

- A. moves file pointer to 6th position from beginning of file
- B. moves file pointer to 6th position from current location in file

- C. moves file pointer to 6th position before the end of file
- D. tells the current position of file pointer in file

49. Write the output of the following:-

```
a=(23,34,65,20,5)
print(a[0]+a.index(5))
```

- A. 28
- B. 29
- C. 27**
- D. 26

### Section – C

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

Latika is making software on “Items & their prices” in which various records are to be stored/retrieved in STORE.CSV data file. It consists some records (Item & Price). She has written the following code in python. As a programmer, you have to help her to successfully execute the program.

```
import _____ # Statement-1
def AddItem(Item,Price)___ # Statement-2
 f=open(“STORE.CSV”,_____) # Statement-3
 fw=csv.writer(f)
 fw.writerow([Item,Price])
 _____ # Statement-4
def ShowRecord():
 with open(“STORE.CSV”,“r”) as NI:
 NewItem=csv._____(NI) # Statement-5
 for rec in NewItem:
 print(rec[0], “#”, rec[1])
AddItem(“Sugar”, 38.0)
AddItem(“Rice”, 48.50)
ShowRecord() # Statement-6
```

50. Which module should be imported in Statement-1.

- A. pickle
- B. csv**
- C. file
- D. text

51. Which symbol is missing in statement-2

- A. @
- B. ,**
- C. ,

D. .

52. Which file mode to be passed to add new record in Statement-3.

- A. w+
- B. w
- C. wb
- D. a**

53. What should be written in Statement-4 to close the file?

- A. close()
- B. fw.close()
- C. f.close()**
- D. csv.close()

54. Which function to be used in Statement-5 to read the data from a csv file.

- A. read()
- B. readline()
- C. readlines()
- D. reader()**

55. The output after executing Statement-6 will be –

- A. (“Sugar”, “38.0”) (“Rice”, “48.50”)
- B. Sugar 38.0  
Rice 48.0
- C. Sugar, 38.0  
Rice, 48.50

D. Sugar # 38.0

Rice # 48.50

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