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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. Which of the following declarations is incorrect?

- A. `_x = 2`
- B. `__x = 3`
- C. `__xyz_ = 5`
- D. None of these

2. Which of the following is correctly evaluated for this function?

`pow(x,y,z)`

- A. `(x**y) / z`
- B. `(x / y) * z`
- C. `(x**y) % z`
- D. `(x / y) / z`

3. Which of the following is not used as loop in Python?

- A. for loop
- B. while loop
- C. do-while loop
- D. None of the above.

4. Thestatement terminates the execution of the whole loop.

- A. continue
- B. exit
- C. break
- D. break

5. Negative index -1 belongs to---- of string.

- A. first character
- B. last character
- C. second last character
- D. second character

6. 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']

7. Which of the following is a Python tuple?

- A. [1, 2, 3]
- B. (1, 2, 3)
- C. {1, 2, 3}
- D. {}

8. Which of the following is/are features of tuple?

- A. Tuple is immutable
- B. Tuple is a sequence data type.
- C. In tuple, elements are enclosed in Parenthesis.
- D. All of the above

9. Which of the following functions will return the key, value pairs of a dictionary?

- A. keys()
- B. values()
- C. items()
- D. all of these

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. Predict the output of the following code:

```
def fun3(num1,num2):  
    for x in range(num1,num2):  
        if x%4==0:  
            print(x,end=' ')  
    fun2(10,20)
```

- A. 10 12 16 20
- B. 12 16
- C. 12 16 20
- D. 16

12. Which of the following is not a python functions type :

- A. Built-in-function
- B. User-defined function
- C. Module function
- D. Absolute function

13. Which of the following is not a file extension for text files?

- A. .txt
- B. .ini
- C. .rtf
- D. .DAT

14. When reading a file using the file object, what method is best for reading the entire file into a single string?

- A. readline()
- B. read_file_to_str()
- C. read()
- D. readlines()

15. What is the use of “w” in file handling?

- A. Read
- B. Write
- C. Append
- D. None of the mentioned

16. Write full form of csv .

- A. Comma settled values
- B. Comma separated values
- C. Common separated values
- D. None of the above

17. Which module is used with binary files?

- A. math
- B. csv
- C. random
- D. pickle

18. Which statements are true about the blocks in exception handling?

- A. Exception is raised in try
- B. Exception is handled in except
- C. The statements written within finally block are always executed regardless of whether an exception occurred in try block or not.
- D. All of these

19. What value will be shown if you try open a binary file in text mode:

- A. Default Value
- B. Advance Value
- C. Garbage Value
- D. Parameter Value

20. Yashi wants to check whether her name is listed in Shortlisted.dat or not. Which command she can write to open the file:

- A. `a=open("Shortlisted.dat","rb")`
- B. `with open ("Shortlisted.dat","rb") as a:`
- C. None
- D. Both a and b

21. To write data into binary file which mode will be used ?

- A. `wb`
- B. `r+`
- C. `rb`
- D. `w+`

22. Which of the following parameter needs to be added with open function to avoid blank row followed file.

- A. delimiter
- B. newline
- C. `writer,dlimiter`
- D. file object

23. The CSV files can be operated by_____software.

- A. Spreadsheet
- B. Notepad
- C. MS Excel
- D. All of the above

24. The command used to skip a row in a CSV file is.

- A. `next()`
- B. `skip()`
- C. `omit()`
- D. `bounce()`

25. Most commonly used software for opening csv file in windows is:

- A. Acrobat Reader
- B. Microsoft word
- C. Microsoft Excel
- D. Google Chrome

Section – B

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

26. Write the output of the following:-

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

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

27. 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

28. Given `list1 = [34,66,12,89,28,99]`

Statement 1: `list1.reverse()`

Statement 2: `list1[::-1]`

Which statement modifies the contents of original list1.

- A. Statement 1
- B. Statement 2
- C. Both Statement 1 and 2.
- D. none of the mentioned

29. What will be the output when the following code is executed?

```
>>> str1="helloworld"
```

```
>>>str1[::-1]
```

- A. dlrowolleh
- B. hello
- C. world
- D. helloworld

30. What will be the output when the following code is executed?

```
i = 1
```

```
while i < 6:
```

```
    print(i)
```

```
    if i < 2:
```

```
        break
```

```
    i += 1
```

- A. 1
- B. 1 2
- C. 0 1
- D. 1 2 3

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

```
l=list(range(100,20,-20))
```

```
print(l)
```

- A.[100 80 60 40]
- B. [100, 80, 60, 40]
- C. [100,20,-20]
- D. Error

32. Choose the correct code to write one record of student (roll_no, name, gender, marks) in binary file named mybinary.dat:?

- A. `fileobject=open("mybinary.dat", "wb")`
- B. `fileobject=open("mybinary.dat", "wb")`
`pickle.dump(listvalues, fileobject)`
- C. `import pickle`
`listvalues=[1,"Mahi" 'F', 29]`
`fileobject=open("mybinary.dat", "wb")`
`pickle.dump(listvalues, fileobject)`
- D. `import pickle`
`listvalues=[1,"Mahi" 'F', 29]`
`fileobject=open("mybinary.dat", "wb")`
`pickle.dump(listvalues, fileobject)`
`fileobject.close()`

33. Yashi wants to check whether her name is listed in Shortlisted.dat or not. Which command she can write to :

i) open the file:

- A. `a=open("Shortlisted.dat","rb")`
- B. `with open ("Shortlisted.dat','rb") as a:`
- C. None
- D. Both a and b

ii) to read data from file:

- A. `read()`
- B. `dump()`
- C. `readrow()`
- D. `load()`

34. What is the output of the program given below?

```
a = 100
```

```
def func (a) :
```

```
    a = 20
```

```
    func (a)
```

```
    print (' a is now ', a)
```

- A. a is now 50
- B. a is now 100
- C. a is now 2
- D. error

35.What is the output of "hello" +11+22+33?

- A. hello112233

- B. hello
- C. Error
- D. hello66

36. Consider the following code and choose correct answer:

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

- A. tuple
- B. list
- C. (kishan,20)
- D. None of all

37. What is the output of the program given below?

```
a = 100
def func (a) :
    a = 20
func (a)
print (' a is now ', a)
```

- a) a is now 50
- b) a is now 100
- c) a is now 2
- d) error

38. Based on the below code, What maximum value can be assigned to FROM and minimum value can be assigned to TO.

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

- a) 2,3
- b) 2, 2
- c) 3,2
- d) 2,1

39. Choose correct output for the following code (A)

```
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
```

40. You have given a file 'school.txt'
I read in class XII. My school name is KV. I like 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

41. Consider the code given below and Identify how many times the message "all the best" will 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. 0 b. 2
- c. 1 d. 3

42. You have given a file 'teacher.txt'
I am a student of class XII. My best teacher is Mr. N. K. Singh. He is very nice person. He teaches me computer science. I respect him very much. Every student love him.

What will be the output of the following code? infile

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

```
infile.close()
```

(A) 2

(B) 3

(C) 4

(D) 5

43. Which function reads some bytes from the text file and returns it as a string?

(A) read()

(B) readline()

(C) readlines()

(D) readall()

44. Write the Output for the below code:

```
z=5
```

```
def A_func (x=10, y=20):
```

```
    z=30
```

```
    x =x+z
```

```
    y=y-z
```

```
    return(x+y)
```

```
print(A_func(5),A_func(),z)
```

A) 20 25 5

B) 25 30 30

C) 10 20 5

D) 15 25 30

45. Consider the below statement

```
Data=F.read(10).
```

Which of the following statement is True regarding variable Data

A. Data contains list of 10 lines

B. Data contain list of 10 characters

C. Data contains string of 10 characters

D. Data contains integer value 10

46. 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

47. Choose the correct option for mode

```
file1=open("notes.txt",_____)
```

```
ch=file1.read()
```

```
print(ch) file1.close() U
```

A. w

B. a

C. r

D. All of the above

48. Consider the below code snippet and write the missing part in statement1

```
myfile = open("student.txt")
```

```
data_rec = myfile.read()
```

```
myfile. ....#Statement1
```

A. close

B. close()

C. closed

D. closed()

49. 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

Section – C

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

Your teacher has given you a method/function FilterWords() in python which read lines from a text file NewsLetter.TXT, and display those words, which are lesser than 4 characters. Your teachers intentionally kept few blanks in between the code and asked you to fill the blanks so that the code will run to find desired result. Do the needful with the following python code.

```
def FilterWords():  
    file=open('NewsLetter.TXT', '_____')  
                                                #Statement-1  
    line=file._____ #Statement-2  
    word=_____ #Statement-3  
    for c in _____: #Statement-4  
        if _____: #Statement-5  
            print(c)  
            _____ #Statement-6  
FilterWords()
```

50. Write mode of opening the file in statement-1?

- A. a
- B. ab
- C. w
- D. r

51. Fill in the blank in statement-2 to read the data from the file.

- A. File.Read()

- B. file.read()
- C. read.lines()
- D. readlines()

52. Fill in the blank in statement-3 to read data word by word.

- A. Line.Split()
- B. Line.split()
- C. line.split()
- D. split.word()

53. Fill in the blank in statement-4, which retrieve each word.

- A. Line
- B. File
- C. word
- D. None of the above

54. Fill in the blank in statement-5, which display the word having lesser than 4 characters.

- A. len(c) ==4
- B. len(c)<4
- C. len()=3
- D. len(4)<c

55. Fill in the blank in Statement-6 to close the file

- A. file.close()
- B. File.Close()
- C. Close()
- D. end()

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