INDIAN SCHOOL AL WADI AL KABIR

Class: XII   Time Allowed :90 minutes   Max Marks:35   Date:07.11.2021

Computer Science (Code 083)

Theory: Term-1 Practice Examination

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

Q.N	**Section-A** **This section consists of 25 questions (1 to 25). Attempt any 20 questions from this section. Choose the best possible option.**
1	Which of the following is **not** valid operator in python? a. //= b. != c. and d. Not in

2	Consider the code given below, Guess the possible output?
	 >>> a,b,c="10",'20','"30"'
	 >>> a,b,c
	     a. ('10', '20', '30') b. Invalid Syntax c. (10,20,30) d.10,20,30

3	In context to **continue** statement which of the following statements are incorrect?
	     a. continue statement is another jump statement like break statement as both statements skip over a part of the code.
	     b. continue statement forces the next iteration of the loop to take place,skipping any code in between.
	     c. Continue statement to terminate just the current iteration.Loop continues with rest of the iterations
	     d. All are correct.

4	The randint(x,y)
	     a. Method returns an integer number selected element from the specified range.
	     b. This method is an alias for randrange(x, y+1).
	     c. Return a number between x and y (both included).
	     d. All are correct

5	Which of the following options can be the output produced by st3?
	 >>> L=[3,4,5,6,[7,8],9,10] #st1
	 >>> L.pop(4) #st2
	 >>> print(L[0:len(L)]) #st3
	 a. [3, 4, 5, 6, 9, 10] b.[3,4,5,6,9] c.Syntax error d. [7,8]

6	Which of the following are the characteristics of a dictionary? a. unordered set b. Not a sequence and indexed by keys c. key must be unique d. All
7	Which statement will read 5 characters from a file(file object 'f')? a. f.read() b. f.read(5) c. f.reads(5) d. None of the above
8	Which mode create new file if the file does not exist?

	a. write mode b. append mode c. Both of the above d. None of the above
9	F1.readlines() method return _____ a. String b. List c. Dictionary d. Tuple
10	Which of the following options can be used to read the first line of a text file data.txt? a. f = open('data.txt'); f.read() b. f = open('data.txt','r'); f.read(n) c. myfile = open('data.txt'); f.readline() d. f = open('data.txt'); f.readlines()
11	Which function is used to force transfer of data from buffer to file? a. flush( ) b. save( ) c. move( ) d. None of the above

12	Guess the output
	>>> x, y=2,4
	>>> x+=x +y*2
	>>> x
	a.16
	b.12
	c.28
	d.20

13	Which of the following is not correct concerning variables in Python? A) Variable names in Python can't start with a number. But, it can include numbers in any other position of the variable name. B) Variable names can start with an underscore. C)Data type of variable names must not be declared D) None of the mentioned

14	Given a list L=[10,20,30,40,50,60,70], what would L[-4:-1] return?
	  A) [20,30,40]
	  B) [30,40,50]
	  C) [40,50,60]
	  D) [50,60,70]

15	Which of the following error is returned when we try to open a file in write mode which does not exist? a. FileNotFoundError b. FileFoundError c. FileNotExistError d. None of the above
16	Whenever you are done in the python command line, you can simply type the following to quit the

	python command line interface: a.exit() b.close() c.quit() d.Both a) and c)

17	What is the output produced by the following code?
	x=1
	if x>3:
	  if x>4:
	    print ("A", end=' ')
	  else:
	    print ("B", end=' ')
	elif x<2:
	  if(x!=0):
	    print("C",end=" ")
	print("D")
	    a. C
	    b. D
	    c. C D
	    d. A C

18	Guess the output
	for i in range(4,2):
	  print(i)
	print("4,3,2")
	    a. No output b. 4,3 c. 4,3,2 d. Error as condition is not satisfied

19	Which of the following will give error? Suppose dict1={"a":1,"b":2,"c":3} A. print(len(dict1)) B. print(dict1.get("b")) C. dict1["a"]=5 D. None of these.
20	What will be the output of below Python code? tuple1=(5,1,7,6,2) tuple1.pop(2) print(tuple1) A. (5,1,6,2) B. (5,1,7,6) C. (5,1,7,6,2) D. Error
21	What is a recursive function? A. A function that calls other function. B. A function which calls itself. C. Both A and B

	D. None of the above
22	Which of the following function headers is correct? A. def fun(a = 2, b = 3, c) B. def fun(a = 2, b, c = 3) C. def fun(a, b = 2, c = 3) D. def fun(a, b, c = 3, d)

23	What value is printed when the following code is executed?
	name = "Jane Doe"
	def myFunction(parameter):
	   value = "First"
	   value = parameter
	   print (value)
	myFunction("Second")
	A. value
	 B. Second
	 C. parameter
	 D. First
	 E. Jane Doe

24	What is the output of the following piece of code?
	a={1:"A",2:"B",3:"C"}
	print(a.get(1,4))
	      A. 1
	      B. A
	      C. 4
	      D. Invalid syntax for get method

25	What is the output of the program given below? x = 50 def func (x) : x = 2 func (x) print ('x is now', x) (a) x is now 50 (b) x is now 2 (c) x is now 100 (d) Error
	SECTION -B **This section consists of 24 questions (26 to 49).Attempt any 20 questions**

26	Guess the output
	g=20
	def sta():
	  global g
	  g=10
	  print(g)
	  print(g)
	sta()
	print(g)
	a. 10 b. 10 c.10 d. None
	   10 10 20

	10	20	20	

27	Guess the output?
	def my_max(*args):
	    result = args[0]
	    for num in args:
	        if num < result:
	            result = num
	    return result
	print(my_max(4, 5, 6, 7, 2))
	    a. 7 b. 2 c. 2 7 d. 6 7

28	what is the output?
	def cccc(x,y,z="hi"):
	    print(z+x+y)
	cccc(y="friend",x="dear")
	    a.Hi Dear Friend b.dearfriendhi
	    c.hidearfriend d.Wrong parameters are passes

29	What is the output? print(len("3.33"),end=" ") print(int(3.33),end=" ") print(eval("3.33"),end=" ") print(round(3.33),end=" ") a. 4 3 3.33 3 b. 3 3 3.33 3 c. 4 3 3.33 4 d. 3 3 3.33 3.4

30	What may be the correct output?
	>>> tp1=(1,2,3,4)
	>>> a,b,c,d=tp1
	>>> tp2=tp1
	>>> tp2
	
	    a. 1,2,3,4 b. (1,2,3,4) c. tp2=[(1,2,3,4)] d. a,b,c,d

31	The following snippet ,because of statement1 there is an error. What is the correct statement to get the length of the tuple T ?
	T=(10) # statement1
	print(len(T))
	    a. T=(10.00) b. T=(10,) c. T= 10 d.T=([10],[10])

32	What will be the output of the following Python code?
	def Multiply20(N1):
	    Ans = N1 * 20
	    return Ans
	Ans = Multiply20(15)
	print("Answer = ", Ans)
	    a) 300
	    b) Answer = None
	    c) Null

	d) Answer = 300

33	Evaluate the following expression and identify the correct answer.
	50 – (8 – 2) ** 2 + 12 // 2
	   a) 20.0
	   b) 13
	   c) 20
	   d) 13.0

34	What will be the output of the following code?
	def Fun1(a=200, b=50):
	  a *= 10
	  b = b - 20
	  return a // b
	print(Fun1(300), Fun1())
	   a) 100.0 66.0
	   b) 100
	      66
	   c) 100 66
	   d) 100
	      66.0

35	Find and write the output of the following Python code:
	a=10
	def call():
	  global a
	  a=15
	  b=20
	  print(a)
	call()
	   a) 10
	   b) 20
	   c) 15
	   d) None of the above

36	What possible output(s) are expected to be displayed on screen at the time of execution of the program from following 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 #

37	Which of the following is not an advantage of using modules?
	   a) Provides a means of reusing programs code
	   b) Provides a means of dividing up tasks
	   c) Provides a means of reducing the size of the program
	   d) Provides a means of testing individual parts of the program

38	What will be the output of the following code?

```
def Modify(A, B):
   for k in range(B):
      if A[k] % 3 == 0 and A[k] % 4 == 0:
         A[k] = A[k] * 10
      elif A[k] % 3 == 0:
         A[k] = A[k] * 5
      else:
         A[k] = A[k] // 2
List1= [21, 12, 10, 24, 18]
Modify(List1,5)
for j in List1:
   print(j, end="$")
```

   a) 105$60$5$240$180$
   b) 105$120$5$240$90$
   c) 210$60$5$120$90$
   d) 105$120$5$240$180$

39	Suppose the content of "File1.txt" is

> **Spread love everywhere you go**
>
> **Let no one ever come to you without leaving happier**

What will be the output of the following code?

```
File1 = open("Quote.txt")
Record = File1.read().split()
print(len(Record))
File1.close()
```

   a) 14
   b) 15
   c) 16
   d) 20

40	Find the output of the following code:

```
name="AveniR@21"
R=" "
for x in range(len(name)):
   if name[x].isupper():
      R=R+name[x].lower()
   elif name[x].islower():
      R=R+name[x].upper()
   elif name[x].isdigit():
      R=R+name[x-1]
   else:
      R=R+"#"
print(R)
```

   a) aVENIr#@2   b) aVENir#@#2   c) aVEnIr@#2   d) aVENIR#2@

41	Suppose the content of myfile.txt is
	Study Hard to score.

	What will be the output of the following code? Myfile=open("myfile.txt") X=myfile.read() print(len(X)) myfile.close() a. 21 b.20 c.19 d.4

42	A library is just a module that contains some useful definitions. #st1
	Tuple value cannot be modified #st2
	   a)Both #st1 and #st2 are correct. b) #st1 is correct and #st2 is incorrect
	   c)Both #st1 and #st2 are incorrect d) #st1 is incorrect and #st2 is correct

43	If the list of STATES contains ["MP","UP","TN","MH","MZ","DL","DM"]
	What is the output of the following code?
	def search(STATES):
	  for i in STATES:
	     if i[0]=="M" :
	        print(i)
	Answers:
	a)MP b)MP c)MP d)MP
	  UP MH UP
	  DM MZ DN

44	P = 3
	def Fundemo():
	  global P
	  P *= 100
	  P = P + 50
	  print(P, end = '*')
	print(P, end = '*')
	Fundemo()
	print(P, end = '*')
	   a) 350*350*3*
	   b) 3*3*350*
	   c) 3*350*350*
	   d) 350*350*3*

45	Suppose the content of "Profile.txt" is
	
	     Mahendra Singh Dhoni, is a former Indian international cricketer who captained the Indian national team.
	
	What will be the output of the following code?
	F1 = open("Profile.txt")
	List1 = list("asdASD")
	count=0
	a=F1.read()
	for k in a:
	  if (k in List1):
	    count=count+1
	print(count)
	F1.close()

	a) 25 b) 24 c) 19 d) 28

46	Suppose the content of "Poem.txt" is
	
	Baa, baa, black sheep,
	Have you any wool?
	Yes sir, yes sir,
	Three bags full;
	One for the master,
	And one for the dame,
	And one for the little boy
	Who lives down the lane
	
	What will be the output of the following code?
	F2 = open("Poem.txt")
	LC = 0
	data = F2.readlines()
	for Line in data:
	   if Line[1]=='a' or Line[1]=='h':
	     LC = LC + 1
	print(LC)
	F2.close()
	   a) 5
	   b) 4
	   c) 3
	   d) 6

47	f.seek(-10,1) #where f is a file pointer The meaning of this relative referencing is a) from the current position move 10 bytes forward b)from the beginning of the file move 10 bytes forward c) from the end of the file ,move 10 bytes backwords d) from the current position ,move 10 bytes back words

48	Observe the following code and answer what should be filled in #empty:
	File=open("bigdata1","a")
	…………………….#empty
	File.close()
	
	a)File.write("ISWK") b)File.writer("ISWK")
	c)File.dump("ISWK") d)File.pickle("ISWK")

49	t=(1,2,3,(4,5),6)
	print(t[3][1])
	t[3][1]=7 #line3
	print(t)
	what happens at #line3 statement?
	a)correct b) 'tuple' object does not support item assignment
	c)tuple t elements are integers hence it is wrong d) It should be t[3,1]=7

Section-C
Case Study based Questions
This section consists of 6 Questions (50 -55) Attempt any 5 questions.

Siddharth, a student of class 12, is learning csv module in Python. During the examination, he has been given a stub Python program (shown below) to create a CSV File "Employee.csv" (content shown below). Help him in completing the code which creates the desired CSV File.

CSV File

501, ANANYA, SALES, 32500

502, CATHRINE, ACCOUNTS, 41500

503, GOPI, HRD, 50000

504, HARRIS, MARKETING, 28000

505, JOHNSON, IT, 45000

Incomplete Code
```
import _____                                          #Statement-1
F1 = open(_____, _____, newline='')                   #Statement-2
Empwriter = csv._____                                 #Statement-3
Empdata = [ ]
header = ['EMPCODE', 'EMPNAME', 'DEPARTMENT', 'SALARY']
Empdata.append(header)
for K in range(5):
    Ecode = int(input("Please Enter Employee Code?  "))
    Ename = input("Please Enter Employee Name?  ")
    Edept = input("Please Enter Department?  ")
    Esalary = int(input("Please Enter Salary? "))
    Emprec = [ _____ ]                                 #Statement-4
    Empdata.append(_____)                             #Statement-5
Empwriter. _____ (data)                               #Statement-6
F1.close()
```

50	Identify the suitable code for blank space in the line marked as Statement-1. a) csv file b) CSV c) csv module d) csv
51	Identify the missing code for blank space in the line marked as Statement-2. a) "Employee.csv","wb" b) "Employee.csv","r" c) "Employee.csv","w" d) "Employee.csv","rb"
52	Choose the function name (with argument) that should be used in the line marked as Statement-3. a) reader(file1) b) writer(F1) c) reader(F1) d) writer(file1)
53	Identify the suitable code for the blank space in Statement-4. a) 'Ecode', 'Ename', 'Edept', 'Esalary'

	b) 'EMPCODE', 'EMPNAME', 'DEPARTMENT', 'SALARY' c) Ecode, Ename, Edept, Esalary d) EMPCODE, EMPNAME, DEPARTMENT, SALARY
54	Identify the suitable code for blank space in Statement-5. a) add b) Empdata c) record d) Emprec
55	Choose the function name that should be used in the blank space of the line marked as Statement-6 to create the desired CSV File? a) dump() b) writerows() c) writerow() d) load()