

KENDRIYA VIDYALAYA SANGATHAN, BHOPAL REGION

Class: XII Session: 2021-22  
Computer Science (Code 083)  
(Theory: Pre-Term-1)

Maximum Marks: 45

Time Allowed: 90 Minutes

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 Questions (50-55). Attempt any 5 questions.
- All questions carry equal marks.

Q.N.	Section-A
	<b>This section consists of 25 Questions (1 to 25). Attempt any 20 questions from this section. Choose the best possible option.</b>
1	Find the invalid identifier from the following a. For b. none c. While d. if
2	Consider the declaration data= 'Python ', 'is', 'Object Oriented', 'Language'. What will be the data type of L? a. string b. tuple c. complex d. list
3	Given an object L=[[1,2,3],4,5,[6,7,8]] What will be the output of print (L[3][1])? a. [6,7,8]      b. 6      c. 5      d. 7
4	Which of the following statement(s) is/are true? a) Python is a high level programming language. b) Python is an interpreted language c) Python is an object-oriented language. d) All of the above
5	Which of the following function is used to write <b>List Of Strings</b> in a file? a. write() b. writeline() c. writelines() d. write(all)

6	<p>Consider the following statement</p> <pre>File1=open("NwFile.txt","a") R=File1.read()</pre> <p>What will be the contents of R after execution of the above 2 lines?</p> <ol style="list-style-type: none"> <li>None</li> <li>It contains all the contents of file</li> <li>It will produce Error , as contents are not readable</li> <li>It will do nothing</li> </ol>
7	<p>Which module is used for working with CSV files in Python?</p> <p>(a) random                      (b) statistics (c) csv                              (d) math</p>
8	<p>The objects in python that cannot change its value in place are called</p> <ol style="list-style-type: none"> <li>Reserved value</li> <li>Mutable</li> <li>Immutable</li> <li>Fixed Value</li> </ol>
9	<p>Address of an Object or variable can be identified by using</p> <ol style="list-style-type: none"> <li>type()</li> <li>id()</li> <li>addr()</li> <li>all of the above</li> </ol>
10	<p>Given an object rec = [101, 'Raisha','Delhi', 5]. Identify the statement that will result in an error.</p> <ol style="list-style-type: none"> <li>print(rec[2])</li> <li>rec[2] = 'Gwalior'</li> <li>print(min(obj1))</li> <li>print(len(obj1))</li> </ol>
11.	<p>Consider the following function call</p> <p><b>sum(a=45,b=67)</b></p> <p>In the above line a=45 and b=67 represents _____</p> <ol style="list-style-type: none"> <li>default values</li> <li>keyword arguments</li> <li>Value assignment</li> <li>Will give an Error</li> </ol>
12	<p>The _____ method of a file object flushes any unwritten information and closes the file object.</p> <ol style="list-style-type: none"> <li>flush()</li> <li>close()</li> <li>clear()</li> <li>flushall()</li> </ol>



13	<p>Which of the following components are part of a function header in Python?</p> <ul style="list-style-type: none"> <li>i. function name</li> <li>ii. return statement</li> <li>iii. parameter list</li> <li>iv. def keyword</li> </ul> <ul style="list-style-type: none"> <li>a. only i</li> <li>b. i and iii</li> <li>c. iii and iv</li> <li>d. i,iii and iv</li> </ul>
14	<p>Syntax of seek function in Python is <b>fileObj.seek(offset, position)</b> where <b>fileObj</b> is the file object. What is the default value of <b>position</b>?</p> <ul style="list-style-type: none"> <li>a. 0</li> <li>b. 1</li> <li>c. 2</li> <li>d. 3</li> </ul>
15	<p>Pickling in python means ?</p> <ul style="list-style-type: none"> <li>a) Python object is converted into a byte stream,</li> <li>b) Python byte stream is converted into python object</li> <li>c) both statements are true</li> <li>d) None of the above are true</li> </ul>
16	<p>Which of the following is the use of function in python?</p> <ul style="list-style-type: none"> <li>a) Functions are reusable pieces of programs</li> <li>b) Functions don't provide better modularity for your application</li> <li>c) you can't also create your own functions</li> <li>d) All of the mentioned</li> </ul>
17	<p>What will be the value of a after execution of the following code</p> <pre> a = 15 def func():     global a     a = a+20 func() print('Value of a is', a) </pre> <p>a. 1520      b. 35      c.15      d.20</p>
18	<p>CSV stands for _____</p> <ul style="list-style-type: none"> <li>a) Common Storage Version</li> <li>b. Comma Storage Version</li> <li>c. Comma Separated Values</li> <li>d. Comma Separated Versions</li> </ul>
19	<p>If we want to add more contents in an existing file, file must be opened in ..... mode</p> <ul style="list-style-type: none"> <li>a. binary</li> <li>b. append</li> <li>c. write</li> <li>d. it is not possible</li> </ul>

20	<p>Consider the following python program.</p> <pre>import csv file1 = open("Bank.csv","r") customer = csv.reader(file1) for rec in customer:     print(rec)</pre> <p>What will be the data type of rec?</p> <ol style="list-style-type: none"> <li>string</li> <li>list</li> <li>tuple</li> <li>dictionary</li> </ol>
21	<p>Which of the following is not a function/method of the csv module in Python?</p> <ol style="list-style-type: none"> <li>read()</li> <li>reader()</li> <li>writer()</li> <li>writerow()</li> </ol>
22	<p>d=f.readline() statement will return ..... into object d</p> <ol style="list-style-type: none"> <li>tuple of list</li> <li>list of strings</li> <li>string of list</li> <li>A string</li> </ol>
23	<p>(5) or (3==3) will give result as</p> <ol style="list-style-type: none"> <li>True</li> <li>False</li> <li>5</li> <li>Produce Error</li> </ol>
24	<p>Correct syntax of dump() method of pickle module is *</p> <ol style="list-style-type: none"> <li>file_object=pickle.dump(object_to_write)</li> <li>pickle.dump(object_to_write,file_object)</li> <li>object_to_write=pickle.dump(file_object)</li> <li>Anyone can be used</li> </ol>
25	<p>Which of the following statements is/are true?</p> <ol style="list-style-type: none"> <li>When you open a file for reading, if the file does not exist, an error occurs.</li> <li>When you open a file for writing, if the file does not exist, a new file is created.</li> <li>When you open a file for writing, if the file exists, the existing file is overwritten with the new file.</li> <li>All of the above.</li> </ol>

**Section-B**

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

26 range (15) will generate values from \_\_\_\_\_ to \_\_\_\_\_  
a. 1,15      b. 0,15      c. 0,14      d. 1,14

```
mayank 101 11
shruti 102 10
Divy 104 12
Manasvi 105 10
Pranshu 106 11
Rachna 107 12
```

27 Suppose the content of Myfile.txt is:

What will be the output of the following code?

```
f=open("Myfile.txt","r")
d1=f.readline()
d2=f.readline()
print(f.read())
f.close()
```

a.	mayank 101 11 shruti 102 10 Divy 104 12 Manasvi 105 10	b.	mayank 101 11 shruti 102 10 Divy 104 12
b.	mayank 101 11 shruti 102 10 Divy 104 12 Manasvi 105 10 Pranshu 106 11 Rachna 107 12	d.	Divy 104 12 Manasvi 105 10 Pranshu 106 11 Rachna 107 12

28 Identify the output of the following Python statements.

```
LST= [[22.0, 51.6, 22.8],[23.0, 44.0, 15.0]]
L = LST[-2][2]
print(L)
```

- a. 51.6
- b. 22.8
- c. 44.0
- d. ERROR

29

Identify the output of the following Python statements.

```
for ch in "I love My India". split():  
    print(ch)
```

- a. Will print each letter of string **"I Love My India"** Vertically
- b. Will print word **"I Love My India"** Vertically
- c. Statement Will give an Error
- d. Will print string **"I Love My India"** in reverse order

30	<p>Identify the output of the following Python code</p> <p>If the What will be the output of :</p> <pre>&gt;&gt;&gt; dict1={'Name':'Pranshu','Result':'Pass' } &gt;&gt;&gt; 'Pranshu' in dict1</pre> <p>a) True b) False c) None d) Error</p>
31	<p>Identify the output of the following Python statements.</p> <pre>V = (25,32,56,43,22,12) V.insert(2,14)</pre> <p>a. It will insert value 14 at 2 index b. It will insert 2 at last position c. Will produce Error d. None</p>
32	<p>What is/are true in respect of following code *</p> <pre>f = open('my_file', 'w+b') byte_arr = [2,4,6,8,10] binary_format = bytearray(byte_arr) f.write(binary_format)  f.seek(0) print(list(f.read())) f.close()</pre> <p>a. It will open binary file in write as well as read mode and write list in file after converting byte_arr into binary b. After writing byte_array (list) in binary format, file pointer is sent at beginning to read the file content c. At the time of reading content we are converting binary data into list data type d. All are correct</p>
33	<p>What the following code is doing ?</p> <pre>f=open("file1.txt","r") f.read() L=f.tell() for i in range(L-1,-1,-1):     f.seek(i,0)     print(f.read(1),end="")</pre>

f.close()

	<ul style="list-style-type: none"><li>a. This code will print content of file1.txt in a single line</li><li>b. This code will print contents of file1.txt in reverse order</li><li>c. This code will print contents of file vertically character by character</li><li>d. None of the above</li></ul>
34	<p>What will be the output of the following Python code?</p> <pre>def function (n1,n2,n3=2):     R=n1+n2/n3 X=function(3,4) print(X)</pre> <ul style="list-style-type: none"><li>a. 3.5</li><li>b. 0</li><li>c. Null</li><li>d. None</li></ul>
35	<p>Evaluate the following expression and identify the correct answer.</p> <p><b>3**2//2%2</b></p> <ul style="list-style-type: none"><li>a. 0</li><li>b. 2</li><li>c. 2.0</li><li>d. 3</li></ul>
36	<p>In order to print list L in decreasing order of its index we use:</p> <ul style="list-style-type: none"><li>a) L.decrease()</li><li>b) L.rev_index()</li><li>c) L.reverse()</li><li>d) L.opposite()</li></ul>

37	<p>What will be the output of the following code?</p> <pre> X=104 def func():     name="Asha"     global X     X=25     print("Inside the function")     print("X :",X)     print("Name ",name) func() print("Outside the function") print("X :",X) </pre> <p>a.    Inside the function X : 104 Name Asha Outside the function X : 25</p> <p>b.    Inside the function X : 25 Name Asha Outside the function X : 104</p> <p>c.    Inside the function X : 104 Name Asha Outside the function X : 104</p> <p>d.    Inside the function X : 25 Name Asha Outside the function X : 25</p>
38	<p>Which of the following options can be the output for the following code?</p> <pre> import random as r week_day={1:'Mon',2:'Tue',3:'Wed',4:'Thu',5:'Fri',6:'Sat',7:'Sun'} day_num=r.randint(0,5)+ 2 for var in range(2,day_num):     print(" Day ",week_day[var],end='   ') </pre> <p>i.    Day Mon   Day Tue   Day Wed   Day Thu   Day Fri   Day Sat   ii.    Day Tue   Day Wed   Day Thu   Day Fri   iii.    Day Mon   Day Tue   Day Wed   Day Thu   Day Fri     iv.    Day Tue   Day Wed   Day Thu   Day Fri   Day Sat  </p> <p><b>a. i , iii                    b. ii , iv                    c. Only i                    d. ii, iii</b></p>

39	<p>Predict the output</p> <pre>def func ( a,b) :     c=a**b     return c  print ( func ( 6,2) )</pre> <p>a) 16    b) 12    c) 36    d)8</p>
40	<p>What changes we have to do in the following code to get output 1,4,7,10,13,16,19</p> <pre>i=2 while (i&lt;=10):     print (i)     i=i+2</pre> <p>a) increase value of i by 3 (i=i+3) and change the condition i.e. i&lt;=20</p> <p>b) initialize i=1 and increase value of i by 3 (i=i+3)</p> <p>c) initialize i=3 and increase value of i by 3 (i=i+3) and change the condition i.e. i&lt;=20</p> <p>d) initialize i=1 and increase value of i by 3 (i=i+3) and change the condition i.e. i&lt;=2</p>
41	Find and write the output of the

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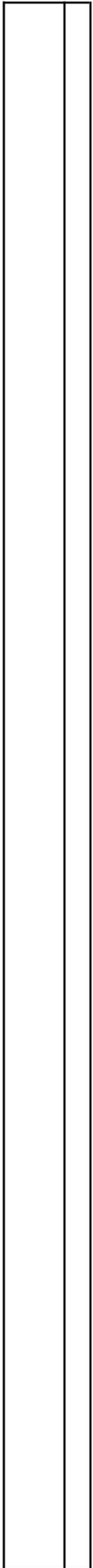
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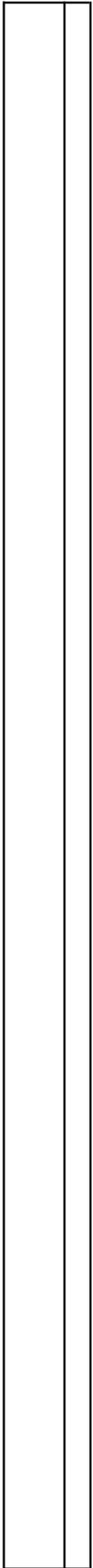
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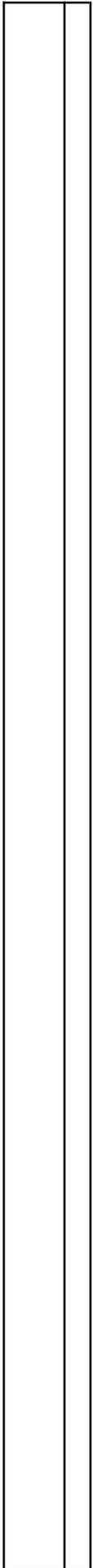
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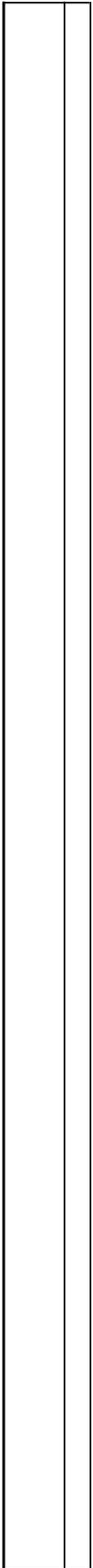












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	<b>C o n s i d e r t h e f</b>

Following code and Answer for the Questions given below in part

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