

8.	Convert the following base of number system: (i)(B2E) ₁₆ →(.....) ₁₀ (ii) (65) ₁₀ →(.....) ₈	2
SECTION-B		
9 is an ordered mutable sequence which can store collection of heterogeneous datatypes. a). string b). tuple c). dictionary d). list OR What will be the output of above Python code? x=15//4 + 5**2 (i) 28 (ii) 8 (iii) 25 (iv) Error	1
10.	Which of the following is not a valid token in Python? a. Character Set b. Literals c. Identifier d. keyword	1
11.	Which of the following is known as the exponentiation operator? a. % b. // c. ** d. ^	1
12. is a graphical or symbolic representation of a process. They are basically used to design and document complex processes to help viewers to visualize the logic of the process. a). Flowchart b). Algorithm c). Program d). Pseudocode	1
13. function is used to remove all elements of a list. a. remove() b. delete() c. clear() d. eraseall() OR Which of the following will give "Simon" as output? If str1="John,Simon,Aryan" (i) print(str1[-7:-12]) (ii) print(str1[-11:-7]) (iii) print(str1[-11:-6]) (iv). print(str1[-7:-11])	1
14.	An error is encountered while executing the following code: X=(50,20,70,100) X[2]=40 State the reason of the error.	1
Q15 and 16 are ASSERTION AND REASONING based questions. Mark the correct choice as (a) Both A and R are true and R is the correct explanation for A (b) Both A and R are true and R is not the correct explanation for A (c) A is True but R is False (d) A is false but R is True		
15.	Assertion (A): Dictionary is an immutable data type. Reason (R): In Immutable types of python, contents of objects cannot be changed after creation.	1
16.	Assertion (A): A programmer works on an algorithm before writing programs. Reason (R): An algorithm is a step by step instructions for solving a problem or completing a particular task.	1
17.	Explain the role of indentation in Python program with 1 example.	2

18.	<p>Preetil is making a code in python to print all those numbers which are divisible by 5 or 7 from the given list. she is getting some errors in code. Rewrite the corrected code and underline the errors.</p> <pre>A=[10,21,45,64,23,49] for i in A if i % 7 or 5 =0: print(A)</pre>	2
19.	<p>Predict the output of following code snippet:</p> <p>(i) x, y=20,50 y, x, y=x, y-10, x+10 print(x, y)</p> <p>(ii) a, b=12,13 c, b=a*2,a//2 print(a, b, c)</p>	2
20.	<p>Consider the following string mySubject: mySubject = "Computer Science"</p> <p>What will be the output of the following string operations :</p> <p>A. print(mySubject[-7 :- 1]) B. print(mySubject[::2])</p>	2
21.	<p>What do you mean by Logical Error? How it is different from syntax error?</p>	2
22.	<p>Draw a flowchart to print Greatest of 3 numbers.</p>	3
23.	<p>What do you mean by algorithm? Write an algorithm to take age from the user and print whether the user is eligible to vote or not.</p>	1+2
24.	<p>Find the output of the following</p> <pre>text="FifaWC@com" L=len(text) ntext="" for i in range (0,L): if text[i].isupper(): ntext=ntext+text[i].lower() elif text[i].isalpha(): ntext=ntext+text[i].upper() else: ntext=ntext+'bb' print(ntext)</pre>	3
25	<p>Considering the list given:</p> <pre>list1 = [25, 30, 56, 12, 45, 21, 7, 20]</pre> <p>a. write code to sort the list in descending order. b. What will be the output of :</p> <pre>del list1[:5] print(list1)</pre> <p>c. Add a new list --- list2=[100,200] at the end of list1 so that the final output should be:</p> <pre>list1 = [25, 30, 56, 12, 45, 21, 7, 20,100,200]</pre>	3

26.	<p>A). Predict the output of the following code snippet:</p> <pre>Dict= { 'A' : 10, 'B' : 20, 'C' : 100 , 'D' :200} temp=500; for value in Dict.values(): temp - = value print("Final",temp)</pre> <p>B). i).</p> <pre>for a in range (15,30,5) : if a == 20 : continue print(a)</pre> <p>ii).</p> <pre>for a in range (15,30,5): if a % 20 == 0: break print(a)</pre>	3
27.	<p>Write a program which accepts a number from the user and prints the frequency of the number in the list LST, if number is not in the LST it should print “Number not available”.</p> <p style="text-align: center;">OR</p> <p>Write a program in python which takes a string from the user and prints number of Capital letters, small letters, digits in the string.</p>	4
28.	<p>Write a Python script (Program) to take an integer number from the user and test: if it is a Prime number, display “ Prime Number“ otherwise display “Not a Prime number”.</p>	4
29.	<p>The record of a student (Name, Roll No., Marks in five subjects and percentage of marks) is stored in the following list:</p> <pre>stRecord = ['Binita', 'A-10', [56,98,99,72,69], 78.8]</pre> <p>Write Python statements to retrieve the following information from the list stRecord.</p> <p>(a) Percentage of the student</p> <p>(b) Marks in the fifth subject</p> <p>(c) Maximum marks of the student</p> <p>(e) Change the name of the student from ‘Binita’ to ‘Raghav’</p>	4
SECTION-C		
30.	<p>What do you mean by E-Waste? Suggest few steps for E-Waste Disposal.</p>	2
31.	<p>What are disability issues while teaching Computers? Mention any 4 issues.</p>	2
32.	<p>What do you mean by net etiquettes? Mention few Social media etiquettes.</p>	2
33.	<p>What do you mean by IPR and Plagiarism?</p>	2
34.	<p>What do you mean by the term Open Source Software? Name any 2 Open Source Softwares.</p>	2
35.	<p>What do you mean by Phishing? How it is different from hacking?</p>	2
36.	<p>Briefly explain a) .Cyber Trolling b). Spam c). Virus.</p>	3