Date:12/02/2023 GRADE: XI	ANNUAL EXAMINATION-2023-24 COMPUTER SCIENCE(083) MARKING SCHEME	Max marks:70 Time: 3 Hour

	SECTION A	
1.	a. break	1
2.	Integrated Development Learning Environment	1
3.	b. in	1
4.	b. 'lovey class'	1
5.	a. 12	1
6.	a. d={}	1
7.	b. L += 3	1
8.	c. B& Hon&st&	1
9.	c. 44	1
10.	b) Identity theft	1
11.	a. 9	1
12.	d. string	1
13.	b. 0	1
14.	c. a	1
15.	b. AB'+ C'D	1
16.	c. if	1
17.	b. Both A and R are true but R is not the correct explanation of A	1
18.	a. Both A and R are true but R is the correct explanation of A	1

		SECTION B	

19.	`for x in range(1,4):`
	    `for y in range(2,5):`
	        `if (x*y>10):`
	            `break;`
	          `print("The result is",x*y)`
			2

20.	a. Python b. Pyhon		1+1
21.	**Flow chart** 		2
22	Need to explain what is keyword and examples and identifiers with examples. (You can explain both by doing program)		2
23	a. **A digital footprint is data that is left behind when users have been online.** b. **Copyright refers to the legal right of the owner of intellectual property. In simpler terms, copyright is the right to copy.**		2

24.	for i in range(1,5):	2
	for j in range(1,i+1):	
	print("*",end="")	
	print()	
25.	a. **tuple1=list(tuple1)**	2
	del tuple1[4]	
	tuple1=tuple(tuple1)	
	print(tuple1)	
	OR	
	b. L=['a','X','c','Z']	
	c. ['x', 'y', 'c', 'd']	

SECTION C

26.	a. Integrated Development Learning Environment	1+2
	b. 11010	
	c. 103_{10}	
27.	a) can only concatenate str to str not with int type	3
	b) False	
	c) Heeeo	
	OR	
	d) D1={" January":31," February":28,"March":31, "April":30}	
	Wk={"Monday":2,"Tuesdsay":3,"Wednesday":4,"Thursday":5}	
	D1.update(Wk)	
	print(D1)	
28.	(1, 2, 3, 4, 5, 3, 2, 1, 3, 1, 2, 3, 4, 5, 3, 2, 1, 3)	3
	Bye!Bye!Bye!Bye!	
	True	
	9	
	3	
	OR	
	a)Explain cyber crime and cyber safety.	
29.	a) 5,2	3
	b) 1024	
	c) 27.2	

| 30. | ```
['I', 'F', 'R', 'A', 'I']
['I', 'F', 'R', 'A', 'I', 'P', 'A', 'T', 'C', 'S']
['F', 'M', 'I', 'R', 'T', 'E']
['I', 'N', 'F', 'O', 'R', 'M', 'A', 'T', 'I', 'C', 'P', 'R', 'A', 'C', 'T', 'I', 'C', 'E', 'S']
['N', 'I']
[]
``` | 3 |

SECTION D

31.	**a.** {1:1,2:2}	1+4
	b. {1:"One",2:"Two",3:"Three",4:"Four"}	
	c. Dict['Name'] : Riya	
	Dict['Age'] : 17	
	d. 1:One	
	2:Two	
	3:Three	
	4: Four	
	e. {"mon":"Monday","tue":"Tuesday","wed":"Wednesday","thu"="Thursday"}	

| 32 | Each diagram contains 1 mark | 5 |
| | Each conversion contain 1 mark | |

33	1.	5
	a. define del and pop	
	b. After Insertion [1, 5, 3, 8, 7, 9]	
	c. Reversed order ['d', 'c', 'b', 'a']	
	d. Strings in alphabetic order: ['Amster', 'Bangaluru', 'Chennai', 'Delhi']	
	e. List after removing 8 is: [5, 2, 1, 7, 9, 3]	
	OR	
	2.	
	a. l=list("input numbers")	
	print(max(l))	
	print(min(l)	
	b n=input("Enter a string")	
	print(n.upper())	

SECTION E

34.

a.

    1 : 900
    2 : 2200
    3 : 3600
    4600

b

    a is 10
    now a is 15
    Current value of a is 30
    a is 43 and b is 33

35

a.

```
num = int(input("Enter 3-digit number : "))
sum = 0
temp = num
while temp > 0:
    digit = temp % 10
    sum += digit * digit * digit
    temp = temp//10
if sum==num:
    print('It is an Armstrong number')
else:
    print('It is not an Armstrong number')
```

                                        OR

b.

```
num = int(input("Enter a number")
if num > 1:
    for i in range(2, int(num/2)+1):
if (num % i) == 0:
        print(num, "is not a prime number")
    break
    else:
print(num, "is a prime number")
else:
    print(num, "is not a prime number")
```

4