

Half Yearly Examination -2019

Class-XI	Sub-Informatics Practices(065)	M.Marks-70	Time-3Hrs.
1.	(a) What is Python? When was Python released?		2
	(b) What are the variables? Give examples.		2
	(c) What is the difference between 5/2 and 5//2 in python?		2
	(d) What is the purpose of if-elif-else statement in Python?		2
	(e) What is iteration statement ? Give example.		2
2.(i)	Evaluate the following expressions manually:		2
	(a) $12 + (3**4 - 6)/2$ (b) $24 + 6(8 - 12) / 4$		
(ii)	What will be the output produced by the following code- A, B, C, D = 9.2, 2.0, 4, 21 print(A/4) print(A//4) print(B**C) print(A%C)		2
(iii)	What will be the output of the following? a. $2**5$ b. $a=3-4+10$ c. $(6+4)*1$ d. $99\%10$		2
(iv)	Write the output of following programs (a) $a=10$ $b=20$ $b=b+a$ $c=a+b$ $a=b+c$ print(a,b,c) (b) $x=10$ $x=x+10$ $x=x-5$ print(x)		2
(v)	Predict the output; $m=40$ while $m<50$: $m=m+2$ print(m)		2
3. (a)	Write a program to obtain principal amount, rate of interest and time from the user and compute simple interest .		2
(b)	Write a program to find whether a give number is even or odd.		2
(c)	Write a program to accept three numbers and print the largest of the three inputted numbers.		3
(d)	Write a program to display all odd numbers between 1 to 33.		3
4.(a)	Define string in python with example.		2
(b)	Consider the string $str="Guwahati Assam India"$, Write statements in python to implement the following: (i) To display the last three characters. (ii) To display 1st to 5 th characters . (iii) To display first character in upper case letter. (iv) To repeat the string 2 times.		2
(c)	What will be the output of the following programming code? $Str1="CENTRAL BOARD OF SECONDARY EDUCATION"$ print(Str1([3:])) print(Str1([3:16:3])) print(Str1([:18]))		2

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print(Str1([-22:-3 ])
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(d) Define a list in python. Write command to create a empty list. 2

(c) Refer the following code and predict the output 2

```
a=[1,2,3]
b=[4,5,6]
c=a+b
d=c[0:3]
e=d
a[0]=10
c[4]=20
e[2]=30
```

(i)Print (a[1]) (ii) print (b[0]) (iii) print (d) (iv) print (c[:])

5.(a) Consider the following list : 10

```
List1=[1,2,3,'ABC','India','HTML',78,[988,989],'asl',8,2,9,132,45]
```

Write command for the following:

- i. Add 'World' at last
- ii. Insert "Only" at 4th position
- iii. Sort the elements of the list
- iv. Count how many times 2 is available
- v. Delete the element from 3rd position
- vi. Delete all elements from 1st to 5th position
- vii. Delete HTML from the list
- viii. Search the position of 'asl' in the list
- ix. Insert 'WWW' at last
- x. Find the length of the list
- xi. Lis2=['there', 'is', 'no', 'alternative']
Add with List1 and display it
- xii. Display the reversed List1
- xiii. Add the word 'One' at the beginning of the List1
- xiv. Delete the elements from 3rd to 6th position from List1
- xv. Change the value of position no 5 to 999 in List1
- xvi. Print the position of 78 in the List1
- xvii. Display 4th last character form the List1
- xviii. Clear all the elements from List2 and display it.
- xix. \Delete all elements from the List1 except first three elements.
- xx. Display all the elements from the List1

6(a) Write a Python program to get the smallest number from a list. 3

(b) Write a Python Program to find the total and average of elements in a List. 3

(c) Write a Python Program to frequency of a given number in a list of numbers. 4

7.(i) What is cyber safety ? Why is it important? 2

(ii) What are the merits and demerits of social networking ? 2

(iii) Write short notes(Any six) 6

Cyber Bullying, IP Address, Denial of Service Attacks, Adware, Cybercrime, Phishing, Web browser, Child Pornography.