

# Half Yearly Question Paper

XI-IP 2018-19

Time: 3:00 Hr

Max Marks:70

Note: All questions are compulsory . Programming language use Python.

1. is microprocessor useful in computer,how? 2
2. Define RAM and its type. 3
3. Write short notes on following: 4\*2
  - a. Mobile OS
  - b. Computer Battery
  - c. Non Impact Printer
  - d. Function of Operating System
4. State any five features of python programming language. 3
5. Differentiate between interactive mode and script mode. 2
6. What will be the output of the following? 2\*2

(A)

```
A=5
A=25+4-5
print(a)
```

(B)

```
i,total,sum=10,0,100
while(i<=10):
    sum=sum-i
    i=i+1
print(total+sum)
```
7. Define Block and Indentation. How it works in python programming. 3
8. Differentiate between following.. 4\*2
  - a. List and Dictionary
  - b. Variable and Literals.
  - c. Mutable and non mutable
  - d. / and // operator
9. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code. 2

```
for Name in [Amar, Shweta, Parag]
    IF Name[0]='S':
        Print(Name)
```
10. Write python code for following. 5\*4

- a. To calculate simple interest upon given amount, rate of interest and time.
- b. To convert the temperature given in Celsius to Fahrenheit.
- c. To calculate Bill amount as per given criteria..

Bill amount	Discount
>=10000	10%
<10000 and >=5000	5%
<5000 and >=2000	2%
<2000	NIL

Additional 2% discount if pay using card.

- d. To find the prime number series of numbers till 100.
- e. To print following

```
1
1 2
1 2 3
1 2 3 4
```

- 11. What is a module in python language? How you can import these module in your programme. 3
- 12. Draw flow chart to calculate sum of first 50 natural numbers. 3
- 13. Differentiate between Pseudo code and Decision tree using suitable example. 3
- 14. Explain any three String handling function used in python programming. 3
- 15. How del () is different from pop()? Write a programme in python to delete all even numbers from a list. 3