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. What is Cache Memory? Does it help primary memory?   2
2. Define computer and its parts.   3
3. Write short notes on following: 4*2
   a. Booting
   b. Track & Sector
   c. Impact Printer
   d. Function of Operating System
4. What is IDE?   1
5. Python is an interpreted language. Justify.   2
6. Differentiate between interactive mode and script mode.   2
7. What will be the output of the following?   2*3
   (A)
   a,b,c=9,12,3
   x=a-b/3+c*2-1
   y=a-b/(3+c)*(2-1)
   z=a-(b/(3+c)*2)-1
   print("x=",x)
   print("y=",y)
   print("z=",z)
   (B)
   i,total,sum=1,0,0
   while(i<=10):
           sum=sum+i
           i=i+1
   print(total+sum)
8. Cross out the variable names that are not legal in python with suitable reason.   2
   Abc#d ,12abc, $abc, abc_12, float, For
9. Differentiate between following..   4*2
   a. List and Tuple
   b. Variable and Literals.
   c. Number and String Data Type
   d. / and // operator

10. Will the following code produce any result? Justify your answer. 2

```
X="MyPython"
Y=2
Print(x+y)
```

11. Write python code for following.
    a. To calculate area of circle. 5*4
    b. To convert the time given in minutes into hours and minutes.
    c. To calculate Division ,percentage and total marks of 5 subject of any student assume that max marks for each subject is 100. And division as per criteria given below

Percentage	Division
60>=	First
<60 but >=45	second
<45 but >=33	third
<33	fail

    d. To find the Fibonacci series of numbers till 20.
    e. To print following

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

12. What is a module in python language? How you can import these module in your programme. 2
13. Draw flow chart to calculate factorial of any inputted number. 3
14. Differentiate between Pseudo code and Decision tree using suitable example. 3
15. Explain any three String handling function used in python programming. 3
16. How del ()is different from pop()? Write a programme in python to delete all even numbers from a list.

3