

# Monthly Test (AUGUST) (2018-19) CLASS : XI

## SUB : Informatics Practices

Time : 90 min

Marks : 40

1.
  - (a) What is the function of memory. What are its measuring units? [2]
  - (b) What is difference between compiler and interpreter? [2]
  - (c) What is difference between RAM and ROM. [2]
  - (d) What is the role of CPU of a mobile system [2]
  - (e) Draw the functional parts of the computer [2]
  
2.
  - (a) Write any four features of Python. [2]
  - (b) Write three numeric data types used in Python. [1]
  - (c) 'Python is an interpreted language'. What does it mean to you? [1]
  - (d) What is comment? Which operator is used to write comment in python. Give example. [2]
  - (e) What is difference between interactive mode and script mode in Python. [2]
  - (f) 1 Terrabyte=.....MB [1]
  - (g) The value of the expression:  $4 + 3 \% 5$  [1]
  
3.
  - (a) What is the error in following Python program with one statement. Suggest solution [1]  

```
print ("My name is", name).
```
  
  - (b) What will be the output of the following code:- [1]  

```
name = "Simar"  
age = 17  
print(name, ", you are ", 17, "now but ", end = '....')  
print("you will be ", age+1, "next year")
```
  
  - (c) What will be the output of the following code:- [2]  

```
X = 10  
X =X+10  
X = X//4  
print (X)  
X, Y = X-2, X%2  
print(X, Y)
```
  
  - (d) Write a Python program that accepts marks in 3 subjects and outputs average marks. [2]
  - (e) Write any two assignment statements to assign float and string value. [2]
  - (f) Write the corresponding Python expression for the following mathematical expressions: [1]  
 $2-ye^{2y} + 4y$
  - (g) Evaluate the expression given below if A= 16 and B = 15. [2]  
(i)  $A \% B // A$       (ii)  $A > B \text{ AND } B != 6$
  
4.
  - (a) What will be the size of the following string:- [2]  
"Seema\'s pen" , "Army's"
  - (b) What is a string? Assign a string "CBSE School" into a variable NAME [1]
  - (c) Which escape sequences represent the newline character and backspace character? An escape sequence represents how many characters? [2]
  - (d) Name two Boolean literals in Python [1]
  - (e) What will be the result of following expressions if  $i = 4, j = 5, k = 4$  [1]  
 $i < j + k > 1 - n$       (ii)  $i + j >= j - 6$
  - (f) How are the following two expressions different [1]  
Ans = 8      (ii) Ans = = 8
  - (g) Reema is confused between  $3*2$  and  $3**3$ . Help her to know the difference between the two expressions. [1]