UNIT TEST- 1(2021-22)
GRADE: XI
SUBJECT: COMPUTER SCIENCE
DATE: 23/07/2021

Duration: 1 hour   *Maximum Marks: 30*

General Instructions:

- Programming Language: Python
- Read the questions carefully and present your answers neatly.

1.   Which one of these is floor division?   1
      a) /
      b) //
      c) %
      d) None of the mentioned

2.   What is the answer of this expression, 22 % 3 is?   1
      a) 7
      b) 1
      c) 0
      d) 5

3.   What error occurs when you execute?   1

      apple = mango

      a) SyntaxError
      b) NameError
      c) ValueError
      d) TypeError

4.   What is the average value of the code that is executed below ?   1

      >>>grade1 = 80
      >>>grade2 = 90
      >>>average = (grade1 + grade2) / 2

      a) 85
      b) 85.1
      c) 95
      d) 95.1

5.   Is Python case sensitive when dealing with identifiers?   1
      a) yes
      b) no

6. List any two functions of the Operating system.   1

7. Which is/are correct identifier(s)?   1

    9Dakhin , Break, keyword, My.name

8. ASCII stands for _____.   1

9. What is data? What is the output of a data processing system?   1

10. What would be produced by following code?   1

    >>>type(5)

11. Convert the following: 2

    i. $(1011010)_2 = (?)_{16}$
    ii. $(723)_8 = (?)_{10}$

12. What would be the output produced by the following code?   2

```
>>> X=5.0
>>>print( X / 4)
>>>print( X // 4)
```

13. Write a program to swap two numbers   2

14. Write the difference between ROM and RAM   2

15. Draw a flow chart of testing you are adult or minor by inputting your age   2

16. What is the difference between compiler and interpreter?   2

17. What is application software? Write any two examples.   2

18. What will be the output of the following code: 2

```
a,b,c=0.1,0.2,0.4
d=0.3
e=a+b+c-d
f=a+b+c==d
print(e)
print(f)
```

19. Write python statement to do the following :   4

    i. To read name and age of a student
    ii. To print "Your score is Highest Congratulations"
    iii. To print name and age of student in same line
    iv. To print name and age separated by # symbol