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**SINDHI HIGH SCHOOL, HEBBAL**

**Half Yearly Examination [2023-24]**

**SUBJECT: Computer Science**

**Class: X Max Marks: 30**

**Date:23/09/2023 Reading Time: 8:30 to 8:40 am**

**No. of Sides:02 Writing Time: 8:40 to 9:40 am**

**INSTRUCTIONS:**

* **Read all the questions carefully**
* **Answer all the questions**

1. In python, a program file is saved with\_\_\_\_\_\_\_\_\_\_\_ extension. 1
2. On executing the print( ) function, the output appears on a newline. State True or False.

1

1. The characters used for comments in python is \_\_\_\_\_ 1
2. Which function is used to accept input data from the user? 1
3. What are escape sequences? Give two examples. 2
4. Explain string data type with an example. 2
5. Differentiate between the interactive mode and Script mode. 2
6. Explain any two logical operators in python with an example. 2
7. What is the difference between = and = = operator in python with an example? 2
8. What will be the output of the following program in python? 2

X=10

Y=20

Z=X + Y

X \*= 2

Y -=3

Z /=5

print(“X=”, X , “Y=, Y , “Z= “, Z)

print( X+Y+Z)

1. Write output for the following two statements 1 and 2 in the python program given below. 2

X = 20

Y = 30

print(“ X > Y” , X>Y) #statement1

pint(“X==Y” , X==Y) #statement 2

1. Identify the errors in the given python program. 2

X = input (“Enter a number”)

Y = X + 10

Print (Answer is”)

Print (“ The value is equal to “, z)

1. Identify the valid and invalid variables in python. 2
2. FILE 13 b) 29SHS c) Print d) Month\_Year
3. Write a program in python to find the square and cube of a number. 4
4. Write a program in python to find the area and circumference of a circle. 4 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*
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a) FILE 13 b) 29SHS c) Print d) Month\_Year

1. Write a program in python to find the square and cube of a number. 4
2. Write a program in python to find the area and circumference of a circle. 4

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