The National
Orthodox School
Shmaisani

Flowchart
Revision 1

Name: **Grade / Section: ….**

Date: …………………   **1st Semester 2022/ 2023**

Important Notes:

- The print () function is used to get the output. This function is used to display the specified message or value in the console.
- All commands must be in small letters.
- Comments can be used to explain Python code, Comments starts with #.
- Variable name must
    a) start with a letter or the underscore character
    b) be one word only - no spaces
    c) not contain special characters like (+-$@/...)
    d) underscore and letters are allowed
- Variable names are case-sensitive (age, Age and AGE are three different variables)
- Data types:
    a) **Text** is stored as **string** data type.
    b) **Whole** numbers are stored as **integer** data type.
    c) **Real** Numbers (with **decimal point**) are stored as **float** data type.

Question #1: Circle the correct variable names:

a- 1num=3   b- H+1=50   c- Emp_Name=" Maria"

d- Su   m=2   e- W2=3   f- Total =2

g- mul@iple=34   h- A2A=4   i- Studentname=" Fares"

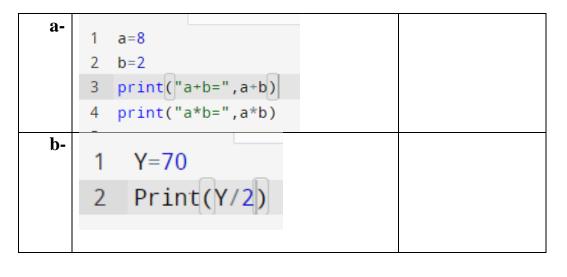**Question #2: Write a program that:**

a- Find the area of a triangle

$$\text{Area} = 1/2 \times B \times H$$

b- Calculate the BMI (Body Mass Index).
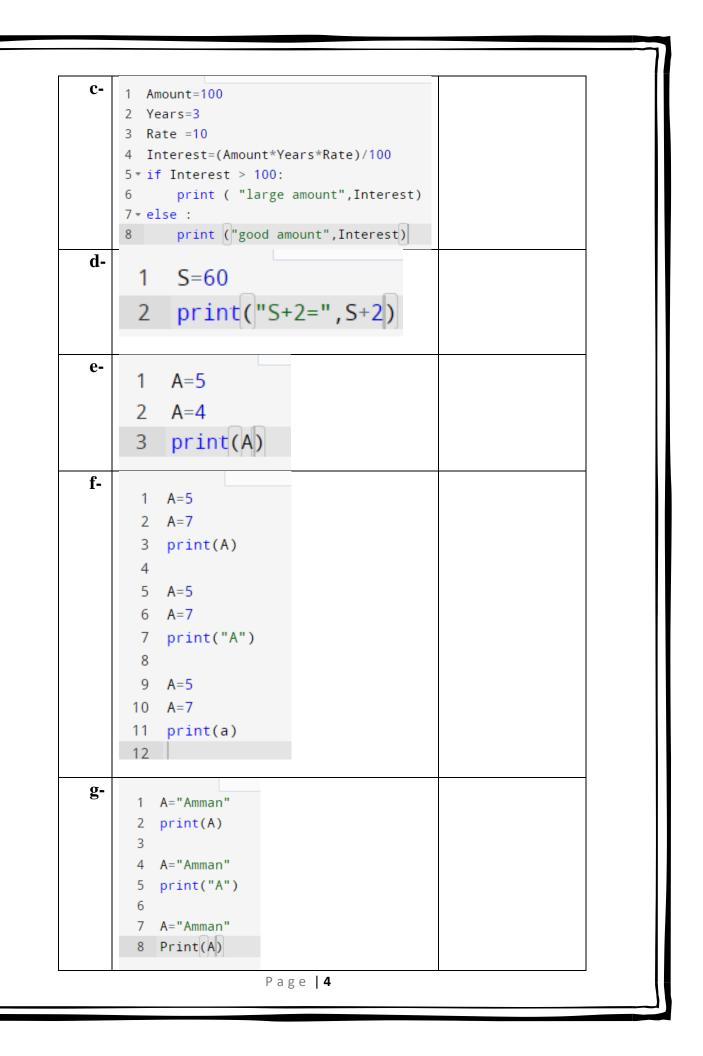
$$BMI = W/(H^2)$$

c- Write a program that compare two numbers and print the largest

d- Write a program that print whether the number is odd or even.

Question #3: Find the output of the following:

| a- | ```
1  a=8
2  b=2
3  print("a+b=",a+b)
4  print("a*b=",a*b)
``` | |
| b- | ```
1  Y=70
2  Print(Y/2)
``` | |

| c- | ```
1  Amount=100
2  Years=3
3  Rate =10
4  Interest=(Amount*Years*Rate)/100
5  if Interest > 100:
6      print ( "large amount",Interest)
7  else :
8      print ("good amount",Interest)
``` | |
| d- | ```
1  S=60
2  print("S+2=",S+2)
``` | |
| e- | ```
1  A=5
2  A=4
3  print(A)
``` | |
| f- | ```
1   A=5
2   A=7
3   print(A)
4
5   A=5
6   A=7
7   print("A")
8
9   A=5
10  A=7
11  print(a)
12
``` | |
| g- | ```
1  A="Amman"
2  print(A)
3
4  A="Amman"
5  print("A")
6
7  A="Amman"
8  Print(A)
``` | |

Question#4: Find the errors in the following program:

```
1  This is the First Program
2  A=7
3  Average =(a+b)/2
4  Print(the average is = average )
5  w=int(input)
6  p=4w
7  if p>50
8  print(very big )
9  else
10 print (very small)
11
```