**FYBCA**

**SEMESTER – I**

**CAM2011C : Introduction to Programming with Python**

**Date : 05/08/2024**

 **Instructions:**

* **For flowchart use either Microsoft word or Download**[**Flowgorithm**](file:///C%3A%5CUsers%5Cpriti.DCA.001%5CDesktop%5CPython%5CPython%5CSofts%5CFlowgorithm-2.22.1-32-Setup.zip)**[ User name : adm Password : 22]**
* **For Algorithm use Microsoft word**
* **For Program use Python IDLE**
* **Properly name your variables.**
* **Use comments wherever required.**
1. Create a flowchart to add two numbers.
2. Write a algorithm to add two numbers.
3. Create a flowchart to calculate area of a circle.
4. Write a algorithm to calculate area of a circle.
5. Draw a flow to calculate area of a field.
6. Draw a flow to calculate volume of a box.
7. Draw a flow to calculate simple interest.
8. Create a flowchart to check whether a no is even or odd.
9. Write a algorithm to check whether a no is even or odd.
10. Write a program to check whether a no is even or odd.
11. Create a flowchart to check whether a no is positive or negative.
12. Write a program to check whether a no is positive or negative.
13. Create a flowchart to determine the larger of two numbers.
14. Create a flowchart to check whether a no is (a) divisible by 2 or not (b) divisible by 3 or not (c) divisible by 5 or not (d) divisible by 10 or not.
15. Write a Program to check whether a no is (a) divisible by 2 or not (b) divisible by 3 or not (c) divisible by 5 or not (d) divisible by 10 or not.
16. Write a program to check leap year using if else
17. Write a program to add digits of number.[without using lOOP]
18. Write a program to find BMI using user input.
19. Write a program to find out how many days,week and months are we have left if we live until 60 years old. Take your age as input and output should be like this :

 You have \_\_\_days,\_\_\_ months and \_\_\_\_Weeks.

1. Write a Program to check a character whether a character is Vowel or not.
2. Write a program to check whether the given number is between 1 and 100 or not.
3. Write a program to print  no. Of days of Month. If you enter March as month then output should be like this :

 No of days of  “March” is : 31