

TILAK MAHARASHTRA VIDYAPEETH

SECOND YEAR DIPLOMA IN COMPUTER ENGINEERING

Year –SY Subject:-C++with OOPs
Branch- Computer Semester -4th

Q1. Answer the following

1. Explain Procedure oriented programming
2. Explain characteristic of Object oriented programming
3. Explain data types in C++
4. State concepts of OOPs
5. Explain in detail data Encapsulation and Data abstraction
6. What is constructor ?state its characteristic
7. Explain parameterized and dynamic constructor.

Q2. Write note on:-

1. Message passing
2. Abstract class
3. Creating object
4. Friend function
5. Inline function

Q3. Write C++ program for:

1. To find whether given number is even or odd
2. To calculate sum of digits
3. To write Inline function to calculate area and circumference of circle

B] Define class to demonstrate the following:

4. To create array of object
5. To demonstrate friend function
6. To create constructor and destructor for any class