



Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
(Autonomous Institute Affiliated to Mumbai University)
[Knowledge is Nectar]

ACADEMIC YEAR 2023-24

Class: F.Y. B. Tech.

Semester: II

Course: PSOOP(Java)

Course In charge: Nikahat Mulla

**List of Problems for practice-Set I -Encapsulation: Objects &
Classes, Constructors**

1. Write a program to find the sum of the first two digit of two numbers. Use the concept of classes and objects.
2. Create class Product. Using a method, set its values for product name, prize, brand. Write another method to display the GST needed to pay on the current object.
3. Write a program to design a Class cycler with name, age, no. of marathon attended and calculate the average speed of each cycler. use appropriate data for cycler if missing.
4. A painter is given a contract to paint a wall. He goes and measures with a meter tape. However he makes further calculations in foot. Cost of painting per square foot is Rs. 10. Find the amount to be paid to him for painting. A constructor is used to set the length and breadth of the wall. Use an object as a parameter. Note: 1 meter= 3.28 feet.
5. Create a Class Student containing the student's name, marks of 5 papers of a subject

(use integer array).

Use parameterized constructors to initialize values of marks and name.

Write a method:

1. To find average of 5 papers
2. To display the name of the student, marks of 5 papers, and average.