 **ST.ANNE’S**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

ANGUCHETTYPALAYAM, PANRUTI – 607106.

**QUESTION BANK**

**JULY 2018 -OCTOBER 2018 / ODD SEMESTER**

**BRANCH:** CSE **YR/SEM:** II/III **BATCH**: 2017 - 2020

**SUB CODE/NAME:** CS8391-OBJECT ORIENTEDPROGRAMMING

 **UNIT-1**

**PART-A**

1. Mention some of the separators used in java programming?
2. How dynamic initialization of variables is achieved in java?
3. What is the output of the main method in the given code?
4. What is java virtual machine?
5. What are the features of java?
6. Define object and classes ?
7. Why are classes important in OO technology?
8. Difference between objects and classes?
9. Difference between static and non static variables?
10. Define encapsulation?
11. What is an abstract class?
12. Define class with example?
13. Difference between structure and classs?
14. What is the default access to a member in a class?
15. What is meant by private accesss specifier?
16. What do you mean by instance variable?
17. Define constructor?
18. What is static in java?
19. Define API package?
20. Define the term CLASS PATH?

**PART-B**

**Object Oriented Programming**

**1.**Explain what is oops and explain features of oops?

2.Explain the various oops concepts with example?

**Abstraction – objects and classes – Encapsulation**

**1.**Discuss the following (i)abstraction,(ii)classes(iii)objects(iv)encapsulation

**Inheritance**

**1.**Explain the inheritance concepts with the examples?

**OOP in Java**

**1.**Explain the oop concepts using java with examples?

**Characteristics of Java**

**1.E**xplain the characterstics of java?

**The Java Environment**

**1.**Explain the components of java environment.

**Java Source-File Structure Compilation**

**1.**Write briefly about the java source file structure and compilation.

**Fundamental Programming Structures in Java**

**1.**Explain the fundamental programming in java?

**Defining classes in Java**

**1.**What is class? How do you define a class in java?

**Constructor**

**1.**Explain the constructor concept in java using OOP with example?

2.Explain the properties of constructor?

**Method**

**1.** What is method? How do you define a method in java?

**access specifiers**

**1.** Explain the access specifiers used in java .

**static members**

**1.**Explain about the static variables and static methods used in java with example?

2.Explain the syntax of static method and its initialization?

3.Why do we need static members and how to access them with example?

**Comments,**

**1.**Write short notes about comments used in java using OOP?

**Data Types**

**1.**Explain the different types of data types in java with example?

**Variables**

**1.**Explain in detail about the variables with example program?

**Operators**

**1.**Explain the types of operators with suitable example?

**Control Flow**

**1.**Explain the control statement with suitable example?

**Arrays**

**1.**Explain the one dimensional array with example?

2.Explain the two dimensional array with example?

**Packages.**

**1.**Explain the packages and its names? How can you create and access a packages?

2.Write short notes on CLASSPATH?

3.Explain how will you import a packages in java with example?

**JavaDoc comments**

**1.**Explain the two types of javadoc comments?

 **PART-C**

**1.**Explain the overview of java?

2.Explain the overview of OOP?

3.Explain the overview of java packages?