



Enrolment No. _____

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

MID SEMESTER EXAMINATION, SEPTEMBER-2016

Subject Code: 2150704

Date: 24/09/2016

Subject Name: OOPJ

Sem: 5TH (CE/IT)

Time: 10:00 TO 10:50

Total Marks: 20

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- QUE.1** (A) Define following terms: 3
1. Aggregation
2. Qualified Association
3. Abstract Class
- (B) Differentiate constructor & method. 3
- QUE.2** (A) What is inheritance in java? Explain multilevel inheritance with proper example. 3
- (B) List all the features of JAVA. Explain 4
- OR**
- (B) Explain method overloading with example. 4
- QUE.3** (A) Prepare Class diagram for each group of classes. Add at least 10 relationships (association and generalizations) to each diagram. 3
File System, File, ASCII File, Binary File, Disc, Drive, Track, Sector.
- (B) Draw and explain life cycle of Thread. 4
- OR**
- (A) Explain use of final and static keyword by giving example. 3
- (B) Describe abstract class called Shape which has three subclasses say Triangle, Rectangle and Circle. Define one method area() in the abstract class and override this area() in these three subclasses to calculate area for specific class' object. 4

***** ALL THE BEST *****