



/ /2017 Date:
Time: 3:00 hours
Lecturer: MCs R. H. Faraj

Final Exam 2016-2017

OOP Subject:
Class: Second Level
Branch: Network, MM, Security

Note: Answer Five Questions Only (10 marks for each question)

Q1 answer any two of the following:

- a. What is this in java?
- b. What is polymorphism in java?
- c. Why use Java encapsulation?

Q2 what is an inheritance and which types are supported in java? Explain that with a source code example.

Q3 write a program that add names in `arrayList` and then display it on the console?

Q4 Using abstraction concept on superclass: write a program for employee class contains the variable (ID, name, mobile-no and salary) do the following operations:

1. Initial values for 4 Employee.
2. Display the information of Employee who has name = Ahmad.

Q5 Using polymorphism and inheritance: write a program to display the names of shapes (rectangle, square and circle)?

Q6 Using constructor and this keyword: write a program for student class (roll-no, name, subject and mark) do the following operations:

1. Initial values for 4 students.
2. Display the information of student who has roll-no = 10.
3. Make carve 2 marks for student who has mark < 5.

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Good Luck