

15092 N

M.Sc. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2018.

FIRST SEMESTER

Computer Science

Paper-II OBJECT ORIENTED PROGRAMMING THROUGH JAVA

Time : Three hours

Maximum: 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 pages.

1. Describe the Basic concepts of OOP's.
2. What is auto boxing and unboxing?
3. Differentiate between an interface and abstract class?
4. Differentiate between static binding and dynamic binding.
5. What are the benefits of exception handling?
6. Differentiate between multiple processes and multiple threads.
7. Introduce SWING.
8. Differentiate between SWING AND AWT.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Explain the Looping statements in java with examples.
- Or
10. Discuss about the various types of Operations in java with an illustration.

11. What is Inheritance? Describe different types of Inheritances with a neat diagram.

Or

12. Define package? How to create and accessing packages?

13. Explain Thread life cycle and describe the creation, interrupting and synchronising thread with suitable example?

Or

14. Explain the usage of try, catch, throw, throws, finally and rethrowing exceptions with an illustration.

15. Write a swing-based java program to implement a basic calculator.

Or

16. Write on the following:

(a) Summarize any three features SWING API

(b) List any four containers and component classes SWING API

