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**Question Paper Code : 11131**

**B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.**

**Fifth Semester**

**Information Technology**

**IT 51 — JAVA PROGRAMMING**

**(Regulation 2008)**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

**PART A — (10 × 2 = 20 marks)**

1. What is meant by abstract class?
2. Define Polymorphism.
3. What is dynamic binding?
4. State the purpose of arrays.
5. State the purpose of I/O Streams.
6. What is an interface?
7. What is the need for event handlers?
8. What is exception handling?
9. What are executors?
10. Define thread.

**PART B — (5 × 16 = 80 marks)**

11. (a) Explain objects and classes with example java program.

**Or**

- (b) Explain copy constructors with example java program.

12. (a) Explain polymorphism with example java program.

Or

(b) Explain inheritance with example java program.

13. (a) Explain object cloning with example java program.

Or

(b) Explain inner classes with example java program.

14. (a) Discuss Swing architecture.

Or

(b) Explain exception handling in detail.

15. (a) Discuss interrupting threads and thread states.

Or

(b) Explain multi-threaded programming in detail with example.

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