

OCTOBER 2012

**P/ID 16102/
PITC/KAB**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Write the language features of Java and explain.

Or

- (b) Write any three control structures of Java and illustrate with relevant examples.

2. (a) Explain the overloading concept, with suitable example.

Or

- (b) Describe the inheritance principle, with illustrations.

3. (a) Discuss on threads and synchronization.

Or

- (b) Explain suspension and resume states.

4. (a) Describe the file I/O streams, with syntax, examples.

Or

- (b) State and explain the importance of code documentation.

5. (a) What are proxy servers and explain their role in networks?

Or

- (b) Describe layout managers and menus.

PART B — (5 × 10 = 50 marks)

Answer any FIVE of the following.

6. How arrays (multi dimensional) are handled in Java? Illustrate with a Java program, for matrix subtraction.
7. With Java program, try to solve n quadratic equation, using suitable control structures and iterative structures.
8. How do you compare two strings, without using library functions? Can this program be used to compare two n digit numbers? Justify your answer.

9. Describe various access controls and their implementations issues.
 10. What are various exceptions to be dealt with? Illustrate with relevant Java code, for any three exceptions.
 11. Describe with suitable Java segment, for inter thread communication.
 12. Explain briefly on Java utilities.
 13. Explain, with sample code, for the uses of TCP/IP sockets and few AWT controls.
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