

MAY 2016

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

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Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What are said to be lexical issues? How there are addressed in Java?

Or

- (b) Write the rules for framing various data types and variables of Java. Illustrate with examples.

2. (a) What are inner classes? Where are they referred and used?

Or

- (b) Name few overriding methods and how are they used in Java.

3. (a) State the need for synchronization. Explain the methods.

Or

- (b) Write the concept of multithreading.

4. (a) What is an applet? Explain the implementations.

Or

- (b) How code documentation is created? And used by whom?

5. (a) What is a proxy server? Where they are used? And why?

Or

- (b) List AWT controls and instances of their uses.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Write the features of Java and the concepts of OOPS, with relevant examples.
7. Why are string classes preferred? What are the functions associated with strings are in Java? Illustrate with relevant examples.
8. Describe packages and access protection issues and interfaces.
9. What are various threads in deadlock situation? Explain each of them and how they can be moved from one to other.

10. Describe I/O and file streams, with examples.
  11. Explain the implementation issues of Java utilities.
  12. Describe TCP/IP sockets, URL and datagrams.
  13. Explain the programming issues of layout managers and menus.
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