

MAY 2013

P/ID 16155/PITSE

Time : Three hours

Maximum : 100 marks

PART A — ($6 \times 5 = 30$ marks)

Answer any SIX questions.

1. Write the features of Java, with reference to object oriented concepts.
2. Describe inheritance and overriding methods.
3. Discuss on thread synchronization.
4. How two strings are compared? Write a program.
5. What is a proxy server? Write the uses.
6. What are AWT controls? How are they used in Java programming?
7. Describe the servlet life cycle.
8. Define and explain arrays.

PART B — ($7 \times 10 = 70$ marks)

Answer any SEVEN questions.

9. How do you obtain $2A + 3B - C$ where A , B and C are $(m \times n)$ matrices, using a Java program?
10. Describe interfaces and exception handling, with examples in Java program.

11. Describe the concept of multithreading, with a Java program.
12. Describe a Java program for illustrating all I/O streams and file stream.
13. Explain socket programming and how TCP/IP sockets are handled.
14. Discuss HTML support for servlet usage line installation, architecture and environment definition.
15. Write suitable HTML code for servlet communication.
16. Discuss about packages with sample program.
17. Describe the following :
 - (a) Layout managers
 - (b) JDBC connectivity.
18. Write a brief note on the following :
 - (a) Deadlock
 - (b) URL.