G 364 (Pages : 2) Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2014

Sixth Semester

Branch : Computer Science and Engineering

CS 010 602—INTERNET COMPUTING

(New Scheme—2010 Admission onwards)

[Regular/Improvement/Supplementary]

Time : Three Hours Maximum : 100 Marks

Part A

Answer **all** *questions.*
Each question carries 3 *marks.*

1. Discuss the main roles of JVM.
2. Explain Threads.
3. Write the functions of Applets.
4. What is Socket class ?
5. Explain Image filter class.

(5 × 3 = 15 marks)

Part B

Answer **all** *questions.*
Each question carries 5 *marks.*

6. Write a Java program to show the flow of control from one section of the program to another.
7. Explain Exception Handling.
8. What is JApplet ?
9. Explain Server Socket class in Java.
10. Write briefly on Servlet.

(5 × 5 = 25 marks)

Part C

Answer **all** *questions.*
Each full question carries 12 *marks.*

11. Write a Java program to arrange a set of 25 integers in descending order.

Or

12. Explain the object-oriented programming features supported in Java.

Turn over

13. Explain multithreaded programs. Explain how thread synchronization is made possible.

Or

14. (a) Explain (i) Method overriding ; and (ii) Abstract class.

(b) Write the class hierarchy in Java related to exception handling. Explain each class.

15. (a) Explain AWT classes.

(b) Discuss the advantages of swings.

(c) Explain Applet architecture.

Or

16. (a) Explain Event Handling.

(b) How are parameters passed to an Applet ? Write a Java program that demonstrates parameter passing to Applets.

17. Explain socket programming in Java with a suitable example.

Or

18. Write briefly on remote method invocation. Explain the structure of RMI.

19. Write briefly on :

(a) Image processing using Java.

(b) Web application development using Java technologies.

Or

20. Discuss the steps for database connectivity using JDBC with an example.

(5 × 12 = 60 marks)