**B.TECH. DEGREE EXAMINATION, MAY 2013**

Sixth Semester

Branch: Computer Science and Engineering

**INTERNET COMPUTING (CS)**

(New Scheme Regular)

Time: Three Hours Maximum: 100 Marks

**Part A**

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

1. What are the data types used in Java?
2. What is Inheritance?
3. What are Applets?
4. Explain Datagrams.
5. What is a Servlet? (5\*3 = 15 marks)

**Part B**

Each question carries***5***marks.

1. Write a Java program that illustrates and selection process.
2. Explain packages in Java.
3. Compare Byte streams and character streams.
4. Explain Secure Server sockets.
5. Write briefly on Image Processing in Java. (5\*5= 25 marks)

**Part C**

Each question carries***12***marks.

Explain the object oriented programming features supported in Java.

***Or***

Write a Java program that arranges a set of 20 integers in ascending order.

(a) Explain the concept of threads.

(b) Write briefly on:

(i) Multi threaded programs (ii) Thread synchronization

***Or***

Explain Exception Handling and the need for Exception Handling. How is Exception handling done in Java?

(a) Explain Event Handling. List the different Event Listeners in Java.

(b) Explain applet Architecture.

***Or***

(a) Explain the advantages of swings. Discuss about swing components and swing packages.

(b) Explain the differences between swings and AWT components.

Write briefly on:

(a)IP multicasting (b) Remote Method Invocation

***Or***

Explain socket programming in Java with a suitable example.

(a) Explain Java servlet life- cycle in detail.

(b) Explain the different drivers in JDBC.

***Or***

(a) Explain Image Filter class (b) Explain JSP

(c)Write briefly on Web Application Development using Java Technologies.

(5\*12 = 60 marks)