Roll No ....

IT - 505

B.E. V Semester

Examination, December 2014

Java Programming

Time : Three Hours

Maximum Marks : 70

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each questions are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) What do you mean by static method? Explain with example.
   b) Describe the use of super keyword with respect to inheritance.
   c) Discuss the salient features of Java language.
   d) Explain with example, how you could achieve "multiple inheritance" in Java?

OR

What is polymorphism? What are the types of polymorphism in Java? Compare method overloading end method overriding with suitable example.

Unit - II

2. a) What is an event in Java, explain?
   b) Explain the life cycle of Applet.
   c) What is AWT? Differentiate between component class and container class.
   d) What are the major components of Java's event delegation model? Discuss with suitable example.

OR

Explain the following with the help of small program.
i)   Form Layout
ii) Flow Layout
iii) Grid Layout

Unit - III

3. a) What is meant by Daemon Thread?
   b) In what situation a runnable interface is required to launch a thread?
   c) What are the differences among final, finally and finalize?
   d) Differentiate throw and throws in exception handling. Write a sample code to throw and handle an exception.

OR

Define synchronization. Explain synchronization methods and synchronization block.

Unit - IV

4. a) What is stream? Explain types of stream and classes of the stream.
   b) What do you mean by serialization and deserialization?
   c) Differentiate between file and random access file classes.
   d) What is JDBC? Explain JDBC-ODBC bridge?

OR

Write a program to read the contents of a file one byte at a time and counts the number of palindrome words.

Unit - V

5. a) What is purpose of collection framework?
   b) What do you understand by RMI.
   c) What are the difference between TCP and UDP?
   d) Explain in detail: server socket and client socket.

OR

Write short notes on:
i)   RMI registry service
ii) Reserved sockets
iii) Proxy servers.