MAHATMA GANDHI UNIVERSITY

MCA   DEGREE EXAMINATION

MODEL QUESTION PAPER

(2011 Revised Syllabi)

Third Semester

MCA 301 Java and Web Programming

Time : Three hours   Maximum : 75 Marks

Part A

Answer any ten questions.

Each question carries 3 marks.

- Explain java class constructors.

- Explain how break statement can be used in the form of goto statement.

- How can an interface be extended?

- Explain the Thread class in Java.

- Explain any 2 utility classes.

- Write a program to play an audio file in an Applet.

- How are values passed to an Applet?

- What are Layout Managers?

- Write a note on URL class.

- Write a note on Event classes.

- Write a javascript code to check whether a textfield is empty or not.

- Write a note on HTTPRequest class.

                                                                   (10 x 3 = 30 marks)

Part B

All questions carry equal marks.

- A. Why is Java so important and explain its advantages.

   OR

   B. Explain the concept of class, inheritance and inner classes.

- A. Explain the different keywords used for exception handling.

   OR

   B. How is thread programming implemented in Java?

- A. Explain with an example how events can be handled in Java.

   OR

   B. How are Menu programs implemented in Java?

- A. Write a complete program in Java for inserting a record into a database and explain it.

   OR

   B. Explain the following classes

     - URL

     - URLConnection

- A. Write short notes on

     - Life cycle of a Servlet

     - Cookies

     - Session Tracking

   OR

   B. Briefly explains how to write a JSP page.

   (5 X 9 = 45 marks)