MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

01039

December, 2015

MCSL-054(P)/S3 : LABORATORY COURSE IN ADVANCED INTERNET TECHNOLOGIES AND COMPUTER GRAPHICS & MULTIMEDIA

Time : 2 Hours   *Maximum Marks : 50*

Note : *There are two parts in this paper. Each part is of 1 **hour** duration. Attempt only that part(s) in which you are **not yet successful**.*

PART I

Advanced Internet Technologies

Note : *Answer the following question. It carries 20 marks and the viva-voce is of 5 marks.*

1. Write a JSP program which takes the student roll number as input and displays the result of courses for which the student had appeared in the last term-end examination. Also, this program should display the current date and time. Make necessary assumptions, if required.   *20*
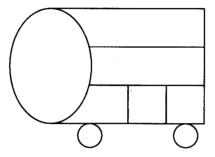
PART II

Computer Graphics and Multimedia

Note : *Answer the following question. It carries 20 marks and the viva-voce is of 5 marks.*

2. Write a program in C/C++ using OpenGL that draws the following figure :   *20*