

MCA (Revised)
Term-End Practical Examination
June, 2013

00664

**MCSL-054 : LABORATORY COURSE IN ADVANCED
INTERNET TECHNOLOGIES AND COMPUTER GRAPHICS
AND MULTIMEDIA**

Time allowed : 2 hours

Maximum Marks : 50

Note : *There are **two** parts (Advanced Internet Technologies and Computer Graphics and Multimedia) in this paper. Each part is of **1 hour** duration. Attempt only that part(s) in which you are **not successful** as yet.*

PART-1

ADVANCED INTERNET TECHNOLOGIES

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

1. Write a program in JSP that enables any student to apply for change of his / her study centre. Make necessary assumptions. **20**

PART-2
COMPUTER GRAPHICS AND MULTIMEDIA

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

1. Write a Program in C / C++ using open GL that draws the following figure : **20**


