

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

01994

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 vice-voce is for 5 marks.

1. Write a program in JSP that enables any student to change the medium of instruction of the course with which the student is enrolled. Make necessary assumptions. 20

PART-2

COMPUTER GRAPHICS AND MULTIMEDIA

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

1. Write a program in C/C++ using Open GL that draws the following figure. 20

