

No. of Printed Pages : 2

SET - 1

**MCA (Revised)**

**Term-End Practical Examination**

**01415**

**June, 2011**

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

*Time allowed : 2 hours*

*Maximum Marks : 50*

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**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.*

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**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 using JSP that enables any student to change his/her address. 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

