

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

01854

**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 view his/her profile based on your application form for admission. 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**

