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**MASTER OF COMPUTER APPLICATIONS (Revised)  
(MCA)**

**Term-End Practical Examination**

**December, 2016**

**MCSL-054(P)/S1 : LABORATORY COURSE IN ADVANCED INTERNET  
TECHNOLOGIES AND COMPUTER GRAPHICS & MULTIMEDIA**

*Time : 2 Hours*

*Maximum Marks : 50*

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**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.*

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**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 and a JDBC program to manage savings bank accounts. This program should provide facilities for 20
- (a) Account Balance Enquiry
  - (b) Withdrawal of Money
  - (c) Deposit of Money

## PART II

### Computer Graphics and Multimedia

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

2. Implement Cohen-Sutherland Line Clipping Algorithm in C/C++ using OpenGL. 20

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