

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

**Term-End Examination**

01866

**June, 2016**

**MCSL-054 - Set - 2 : LABORATORY COURSE IN ADVANCED  
INTERNET TECHNOLOGIES AND COMPUTER GRAPHICS  
AND 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 program to manage saving bank account. Your program should display current balance in account on request. Make required assumptions if any. 20

**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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