

MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

Term-End Practical Examination

December, 2016

**MCSL-054(P)/S2 : LABORATORY COURSE IN ADVANCED INTERNET
TECHNOLOGIES AND COMPUTER GRAPHICS & MULTIMEDIA**

Time : 2 Hours

Maximum Marks : 50

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**.*

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 servlet program to display your name, address, date_of_birth and current date and time. The program should also calculate your age and display it. 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 Bresenham Circle Drawing Algorithm in C/C++ using OpenGL. 20
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