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

### Term-End Examination          00851

### June, 2016

## MCSL-054 - Set - 4 : LABORATORY COURSE IN ADVANCED INTERNET TECHNOLOGIES AND COMPUTER GRAPHICS AND 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 the counselling schedule of MCSL-054 course at a     20
     IGNOU MCA study centre.

### 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 Generation Algorithm in C/C++ using openGL.          20

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