

MCA (Revised)
Term-End Practical Examination
December, 2007

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

Time allowed : 2 hours

Maximum Marks : 50

Note : There are two parts (Advanced Internet Technologies & Computer Graphics and Multimedia) in this paper. Each part is for 1 hour duration. Attempt only that part(s) in which you are **not successful** as yet.

PART 1 : Advanced Internet Technologies

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

1. Create a database of Income Tax department for the following fields :

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- PAN_NO
- Name
- Father_Name
- Date_of_birth
- Annual_Income

Write a program using JSP and JDBC to display the PAN_NO and name of those people, that have same date of birth and their annual income is greater than 10 lakhs. Make suitable assumptions, if any, and mention them.

PART 2 : Computer Graphics and Multimedia

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

2. Write a program in C/C++ using OpenGL to draw a circle as shown in the following figure. Also, fill the colours (only red, blue, green) in each of the sections in a way that any adjacent section should not have the same colour.

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