

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 the hospital patients with the following fields : 20
- Patient_Name
 - Patient_Address
 - Patient_ID
 - Date_of_visit
 - Doctor_ID
 - Fee

Write a program using JSP and JDBC to display the patient names of those that have visited the hospital between 1st and 7th day of each month and fee is greater than Rs. 500/-.

Make necessary 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 hexagon as shown in the following figure. Also, fill the colours (only red and blue) in each of the sections in a way that any adjacent section should not have the same colour.

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