

No. of Printed Pages : 2 **MCSL-054(Set-IV)**

**MASTER OF COMPUTER  
APPLICATIONS (MCA) (REVISED)  
Term-End Practical Examination**

**June, 2025**

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

*Time : 2 Hours*

*Maximum Marks : 50*

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**Note :** (i) *There are two Parts in this question  
paper.*

(ii) *Each Part is of 1 hour duration.*

(iii) *Attempt only that Part(s) in which  
you are not yet successful.*

[ 2 ]

### Part—I

#### (Advanced Internet Technologies)

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

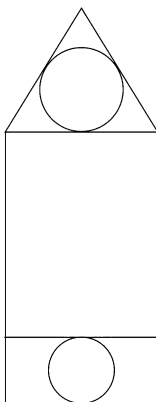
1. Write a JSP program to display a webpage containing an employee details such as Name, DoB, Designation, employed\_id and a paragraph explaining his achievements in last one year. 20

### Part—II

#### (Computer Graphics and Multimedia)

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

2. Write a C/C++ program using open GL to draw the following figure : 20



x x x x x