

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

**MASTER OF COMPUTER  
APPLICATIONS (MCA) (REVISED)**

**Term-End Practical Examination**

**December, 2024**

**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 :** *There are **two** Parts in this paper. Each Part is of one hour duration. Attempt only that Part(s) in which you are not yet successful.*

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**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 program in JSP that accepts Aadhar number as input and displays the details about the person, Aadhar number belongs. Make the necessary assumptions. 20

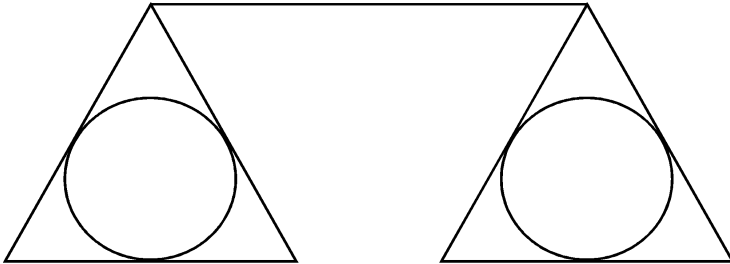
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## PART—II

### (Computer Graphics and Multimedia)

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

2. Write a program in C/C++ using OpenGL that draw the following figure : 20



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