

MASTER OF COMPUTER APPLICATIONS (Revised)

(MCA)

02899

Term-End Practical Examination

June, 2014

**MCSL-054(P)/S1 : 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 JSP program to display the list of marks obtained in Assignment of MCSL-054 by all the students in a batch of MCA 5th Sem at a Study Centre. 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. Implement DDA line generation algorithm in C/C++ using OpenGL. 20

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Term-End Practical Examination

02347

June, 2014

**MCSL-054(P)/S2 : 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.*

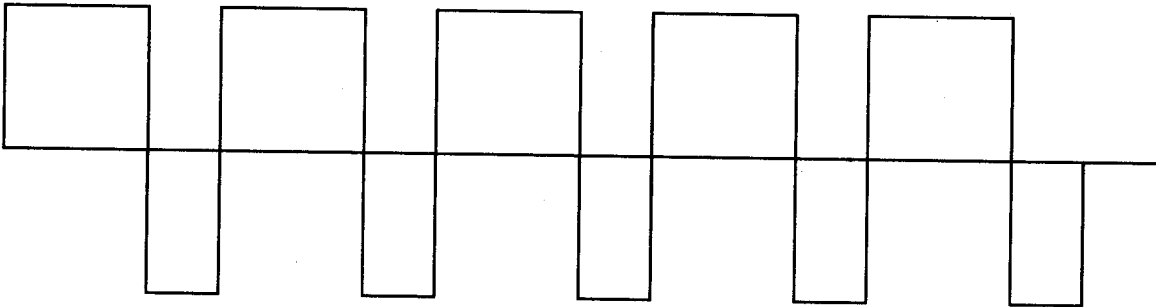
1. Write a program in JSP which take student enrolment number as input and displays the following details : 20
- (i) Name and Address
 - (ii) Programme of study and Semester
 - (iii) Study Centre to which student is attached

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 draws the following figure : 20



MASTER OF COMPUTER APPLICATIONS (Revised)**(MCA)****Term-End Practical Examination****June, 2014****MCSL-054(P)/S3 : 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.*

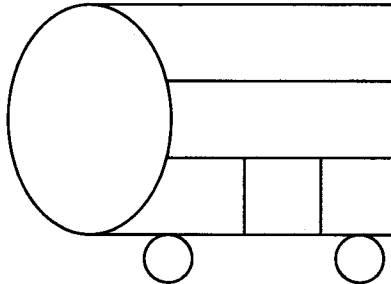
1. Write a JSP program to submit TEE, online examination form, for MCA-V Sem students of IGNOU. Also this program should tell whether a student has applied for examination or not. Make necessary assumptions wherever required. 20

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 program in C/C++ using OpenGL that draws the following figure : 20



MASTER OF COMPUTER APPLICATIONS (Revised)
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Term-End Practical Examination

June, 2014

**MCSL-054(P)/S4 : 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 JSP program to create a webpage to display your personal details such as name, address, area of interest. This page should also display a background image, current date and time. Also provide a link JSP. After clicking on this link any JSP tutorial available on Internet should be opened.

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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. Implement Bresenham Circle Generation algorithm in C/C++ using OpenGL. 20