

Master of Computer Application
(Revised) (MCA)
Term-End Examination
December, 2018

**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 paper.
(ii) Each Part is of 1 hour duration.
(iii) 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 servlet program to manage savings bank account. This program should take account number as input and should display account details. Also program should have feature for updating contact details of account-holders. Make necessary assumptions. 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 open GL that draws the following figure : 20

