This question paper contains 2 printed pe	ages
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6127 Your Roll No .... ....

## MCA/II Sem.

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Paper MCA - 203 - Computer Graphics (Admissions of 2009 and onwards)

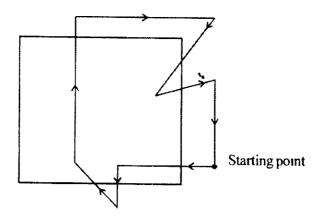
Time 2 hours

Maximum Marks 50

(Write your Roll No on the top immediately on receipt of this question paper)

## Attempt all questions. Parts of a question must be answered together.

- 1 Describe NICHOL LEE NICHOL algorithm. 06
- Write the steps for clipping the following concave polygon using Weiler Atherton algorithm
  06



Write the steps for filling a polygon using scan line seed fill algorithm
05

P.TO

4	connectivity Give an example to indicate the difference them	
5	Derive the General transformation matrix for oblique projection of (x, y, z) on to a 2 dimensional plane.  Hence give the transformation matrices for cavalicabinet projection	
6	Enumerate the various spatial - partitioning representation of valid solids Explain only one representation	tations 06
7	Derive the formula for fractal similarity dimension	03
8	Write the Z - Buffer algorithm to detect the vasurfaces	riable 05
9	a) Describe Phong Shading model	04
	b) Draw and explain CIE chromaticity diagram	06