## MCA DEGREE IV SEMESTER EXAMINATION APRIL 2013

## CAS 2402 ARTIFICIAL INTELLIGENCE

((New Scheme - 2010 Revision)

Time: 3 H	ours	Maximum Marks : 50
PART A (Answer ALL questions)		
I. (a) (b) (c)	What is utility based agent? Explain the structure of an agent.	$(15 \times 2 = 30)$
II. (a) (b) (c)	Explain backtracking search and local search.	
III. (a) (b) (c)	What is Resolution?	
IV. (a) (b) (c)	What is stale space search?	
V. (a) (b) (c)	What are the forms of learning?	
PART B		
		$(5 \times 4 = 20)$
VI. A.	OR	
VII. A.	OR	ě .
VIII. A.	Explain effective propositional inference.  OR	
IX. A.	OR	
X. A.	OR	