



UNIVERSITY EXAMINATIONS 2022/2023 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS YEAR THREE SEMESTER ONE EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE
COMPUTER SCIENCE

COURSE CODE

: **CSC360E**

COURSE TITLE

: INTELLIGENT AGENTS

DATE: 14/12/2022

TIME: 9:00 P.M - 11:00 P.M

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSORY) [30 MARKS]

a)	Describe the following terms	
	I. Agent Function	
	II. Performance Measure	[2 Marks]
b)	Differentiate between rationality and omniscience	[4 Marks]
c)	Describe the following terms	
	i. Ubiquity	
	ii. Interconnection	
	iii. Human orientation	[6 Marks]
d)	Describe the characteristics of hybrid architectures	[4 Marks]
e)	Describe what Brooks proposed in the three theses	[6 Marks]
f)	With the aid of a diagram describe the types of coordination	[8 Marks]
	QUESTION TWO [20 MARKS]	
a)	Describe end means reasoning	[4 Marks]
b)	Describe how do norms influence the behaviour of the agent?	[4 Marks]
c)	Compare and contrast the terms knowledge, representation, and reasoning.	[6 Marks]
d)	Describe any THREE application areas of Intelligent agents	[6 Marks]
	QUESTION THREE [20 MARKS]	
a)	Explain the term Agent architecture	[2 Marks]
b)	Describe GAIA methodology	[6 Marks]
c)	List the components of a robot .	[6 Marks]
d)	Describe ontologies ·	[6 Marks]
	QUESTION FOUR [20 MARKS]	
a)	Describe the TWO main viewpoints in agent development	[4 Marks]
b)	The state of intelligent agents	[6 Marks]
c	Transa A gent ariented methodology	
		[10 Marks]

QUESTION FIVE [20 MARKS]

	scribe the BDI architecture scribe the characteristics of Deliberative Architectures	[4 Marks]
	scribe electronic institutions	[4 Marks]
/	ifferentiate between static and dynamic environment	[6 Marks]