## Cairo University Faculty of science Mathematics Department 30 min.



## Mid Term 2 Exam(Sum. 2019) Artificial Intelligence (Comp408)

Name: ID: The Quiz is in <u>TWO pages</u> :	
- /	epresent the following sentences in first-order logic  There are exactly one students studying A.I.
b.	There was a student who scored 100 on every quiz.
C.	For every quiz, there was two students who scored 100 on it.
d.	Everyone has some favorite food.
e.	Every person likes red apples.
f.	There is a person who likes all food.

$$\mathbf{a}$$
 (A  $\wedge$  B)  $\Rightarrow$  (C  $\wedge$  D)

**b.**  $\exists y \ course(x) \land std(y) \Rightarrow pass(y,x)$ 

Best Wishes Areeg Abdalla