Started on	Thursday, 25 November 2021, 10:04 AM
State	Finished
Completed on	Thursday, 25 November 2021, 10:19 AM
Time taken	15 mins
Grade	**45.00** out of 100.00

Question **1**

Complete

Mark 8.00 out of 15.00

Buatlah bentuk propositional logik atau FOL dari pernyataan berikut:

Every time I wake up, I desire a cup of water

Every time I wake up, I desire a cup of water:

Wake up (I, everytime)

Desire(I, cup of water)

(A)X, 3Y, 3Z

Comment:

∇x wakeup(x) => desire(x,cupofwater)

Question **2**

Complete

Mark 8.00 out of 15.00

Buatlah bentuk propositional logik atau FOL dari pernyataan berikut:
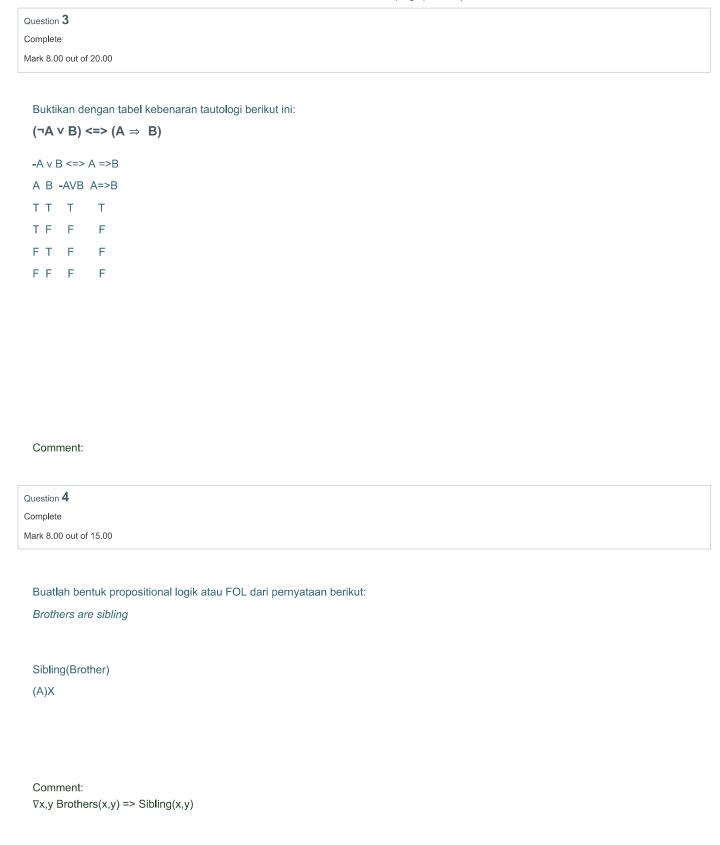
It is raining outside and the street is wet

It is raining outside and the street is we

Raining(I, Outside)
Street(I, wet)

Comment:

Raining_outside ^ street_wet

Question **3**

Complete

Mark 8.00 out of 20.00

Buktikan dengan tabel kebenaran tautologi berikut ini:

(¬A ∨ B) <=> (A ⇒ B)

-A ∨ B <=> A =>B

A	B	-AVB	A=>B
T	T	T	T
T	F	F	F
F	T	F	F
F	F	F	F

Comment:

Question **4**

Complete

Mark 8.00 out of 15.00

Buatlah bentuk propositional logik atau FOL dari pernyataan berikut:

Brothers are sibling

Sibling(Brother)

(A)X

Comment:
∇x,y Brothers(x,y) => Sibling(x,y)

Question **5**

Complete

Mark 8.00 out of 15.00

Buatlah bentuk propositional logik atau FOL dari pernyataan berikut:

If the weather is snowy, neither I will go skiing or I will work

snowy(I, weather, skiing, work)

(A)X, 3Y

Comment:

Snowy_weather => not_skiing ^ not_work

Question **6**

Complete

Mark 5.00 out of 20.00

A Musical Instrument used by a Musician only in a Plays. The instruments can only be played by someone who is not tone deaf. Angela is a musician. Prove that Angela not tone deaf!

A Musical Instrument used by a Musician only in a Plays. The instruments can only be played by someone who is not tone deaf. Angela is a musician. Prove that Angela not tone deaf!

Comment: