

A problem without question, but only answers

Here is a M.C. problem in which the question is cut away, but the choice of answers, given below, is clearly printed. What is the right answer?

- (a) All of the below.
- (b) None of the below.
- (c) All of the above.
- (d) One of the above.
- (e) None of the above.
- (f) None of the above.



Solution

(1) (a) is $T \Rightarrow$ (b) to (f) are T, but (b) is $T \Rightarrow$ (c) to (f) are F, contradiction.
Hence (a) is F

(2) (c) is $T \Rightarrow$ (a) is T. By (1), (c) is F.

(3) If (b) is T and by (1) and (2), (a), (c) are F, then (d) is also T since (b) is the only one above (d) is T. Contradiction.

(4) (f) is $T \Rightarrow$ (a) to (e) are F, confirm that (e) is T. Contradiction.

(5) (e) is the only answer since (a) to (d) are F.

March, 2015
Yue Kwok Choy