Week 7: Assignment

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2018-09-26, 23:59 IST.

1) One of the limitations of Propositional logic is that it cannot further analyze the structurally simple statements to recover the logical relationship expressed in them.

- a) True
- b) False

No, the answer is incorrect.
Score: 0
Accepted Answers:
a) True

2) The correct Venn Diagram for the statement “Some singers are not artists” is:

![Venn Diagram]

- a) True
- b) False

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) False
4) The statement “Sheep are not hostile animals” when correctly translated into standard form categorical proposition, will be “All sheep are not hostile animals”.
   
   a) True  
   b) False 

No, the answer is incorrect.
Score: 0
Accepted Answers: 
  b) False

5) Which of the following is/are not categorical statements?
   
   a) College students are reckless people.  
   b) Weather predictions are claims that are often wrong.  
   c) Polar bears are not blue.  
   d) Either he did not notice the change or he approves of it.

No, the answer is incorrect.
Score: 0
Accepted Answers: 
  d) Either he did not notice the change or he approves of it.

6) If the statement “All film stars are glamorous” is true, then in a Traditional Square of Opposition which of the following is not correct?
   
   a) “No film stars are glamorous” is false by contrary relation.  
   b) “Some film stars are glamorous” is true by sub-alternation.  
   c) “Some film stars are not glamorous” is false by contradiction.  
   d) “No film stars are glamorous” is true by sub-contrary relation.

No, the answer is incorrect.
Score: 0
Accepted Answers: 
  d) “No film stars are glamorous” is true by sub-contrary relation.

7) Which of the following options is/are true? Consider the syllogism: Some metals are conductors. All copper alloys are metals. Therefore, some copper alloys are conductors.
   
   a) The figure of the syllogism is 2nd figure.  
   b) “Conductors” is the major term.  
   c) The syllogism is in standard form.  
   d) The mood of the syllogism is IEI.

No, the answer is incorrect.
Score: 0
Accepted Answers: 
  c) The syllogism is in standard form.

8) Which of the following options is/are false? Consider the syllogism following syllogism: All citizens are residents. No foreigners are citizens. Therefore, No foreigners are residents.
   
   a) Testing the validity of the syllogism by correctly drawn Venn Diagram shows that the syllogism is valid; for SPM̅ area is fully shaded.

Score: 0
Accepted Answers: 
  a) Testing the validity of the syllogism by correctly drawn Venn Diagram shows that the syllogism is valid; for SPM̅ area is fully shaded.
b) Testing the validity of the syllogism by correctly drawn Venn Diagram shows that the syllogism is valid, because the SPM area is shaded.

c) Testing the validity of the syllogism by correctly drawn Venn Diagram shows that the syllogism is invalid because the SPM and SPM are areas are all empty.

d) Testing the validity of the syllogism by correctly drawn Venn Diagram shows that the syllogism is invalid because the SPM area is not shaded.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) Testing the validity of the syllogism by correctly drawn Venn Diagram shows that the syllogism is valid for SPM̅ area is fully shaded.

b) Testing the validity of the syllogism by correctly drawn Venn Diagram shows that the syllogism is valid because the SPM area is shaded.