

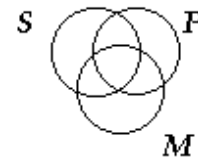
**Phil 004 – Intro To Logic**  
**RE: Practice Problems<sup>1</sup>**

Part I. **Directions:** Evaluate the following syllogisms by means of Venn Diagrams. Be sure to tell whether the argument is valid or invalid.

1. No physical actions are chance occurrences.

All chance occurrences are random events.

No random events are physical actions.



EVALUATION: \_\_\_\_\_

2. All events are things describable by science.

All mental decisions are events.

All mental decisions are things describable by science.

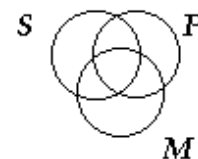


EVALUATION: \_\_\_\_\_

3. All things describable by science are predictable events.

No free decisions are things describable by science.

No free decisions are predictable events.

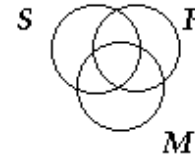


EVALUATION: \_\_\_\_\_

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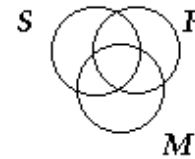
<sup>1</sup> From [http://philosophy.lander.edu/logic/syll\\_prob.html](http://philosophy.lander.edu/logic/syll_prob.html)

4. No things describable by science are uncaused happenings.  
All mental decisions are things describable by science.  
 No mental decisions are uncaused happenings.



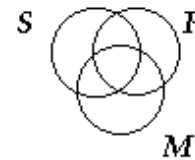
EVALUATION: \_\_\_\_\_

5. No free choices are caused occurrences.  
Some natural processes are not caused occurrences.  
 Some natural processes are not free choices.



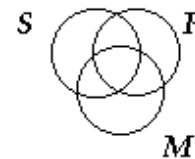
EVALUATION: \_\_\_\_\_

6. All free decisions are uncaused happenings.  
No mental decisions are uncaused happenings.  
 No mental decisions are free decisions.



EVALUATION: \_\_\_\_\_

7. Some decisions are careful reflections.  
All uses of free will are decisions.  
 Some uses of free will are careful reflections.

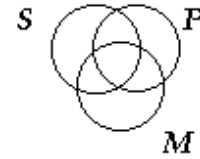


EVALUATION: \_\_\_\_\_

8. All persons who are most free are person who decide most.

All persons who decide least are persons who are most free.

All persons who decide least are persons who decide most.

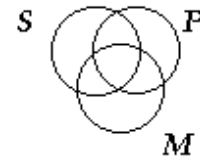


EVALUATION: \_\_\_\_\_

9. Some coerced decisions are not free choices.

Some desires are free choices.

Some desires are coerced decisions.

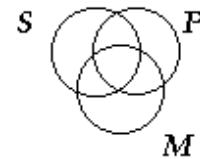


EVALUATION: \_\_\_\_\_

10. No mental decisions are free decisions.

All uncaused events are free decisions.

No uncaused events are mental decisions

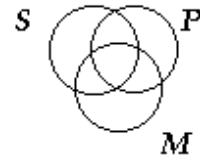


EVALUATION: \_\_\_\_\_

**Part II.** *Directions:* Set up the following syllogisms in standard form and order, name its mood and figure, and test it for validity by means of Venn Diagrams.

1. All acts of free will are uncaused events, since all mental decisions are uncaused events and all acts of free will are mental decisions.

STANDARD  
ORDER AND  
FORM:



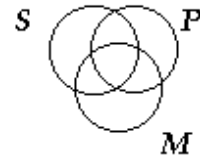
MOOD AND  
FIGURE:

VENN DIAGRAM

EVALUATION: \_\_\_\_\_

2. All acts of free will are uncaused events, so no acts of free will are existent things because no uncaused events are existent things.

STANDARD  
ORDER AND  
FORM:



MOOD AND  
FIGURE:

VENN DIAGRAM

EVALUATION: \_\_\_\_\_