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NPTEL

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Courses » Symbolic Logic Announcements Course Ask a Question Progress Mentor FAQ

Unit 2 - Week 1:

Course outline

How to access Portal?

Week 1:

- Lecture 1: Introduction
- Lecture 2: Propositions, Arguments, Components, Basic Characteristics
- Lecture 3: Recognizing arguments, Diagramming logic flow
- Lecture 4: Types of arguments, Deductive, Inductive, different norms to assess arguments
- Lecture 5: Concepts of Validity Soundness, Consistency
- Quiz : Week 1: Assignment
- Feedback for Week 1

Week 2:

Week 1: Assignment

The due date for submitting this assignment has passed.

As per our records you have not submitted this **Due on 2018-08-22, 23:59 IST.** assignment.

1) Which of the following is not an argument? **5 points**

- a) If you are a confident driver and have never been in an accident, then driving over the speed limit is not dangerous for you or others. You are a confident driver and have never been in an accident. Doubtless, then, driving over the speed limit is not dangerous for you or others.
- b) Cats with long hair shed all over the house so you should not get a long-haired cat. I have heard that they also have lots of fleas.
- c) We are in for a wet winter because the Scripps institute of Oceanography says so.
- d) I did not like the book very much, and I think its price is also on the higher side; moreover, it is not available readily.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d) I did not like the book very much, and I think its price is also on the higher side; moreover, it is not available readily.

2) Which of the following is not a claim: **5 points**

- a) Tokyo is in Indonesia.
- b) Let's have a cup of coffee together on this weekend.
- c) Every other girl in her school has a cell phone.
- d) The additional funding helps the charity to help an additional 100 people per year.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) Let's have a cup of coffee together on this weekend.

3) Choose the correct option: An argument is: **5 points**

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No, the answer is incorrect.
Score: 0

Accepted Answers:
c) A set of claims, of which one is a principal claim and the rest are supporting claims.

4) Which of the following statement is incorrect? **5 points**

- a) Invalid arguments cannot be sound.
- b) Premises of Inductive arguments can only provide probabilistic support.
- c) Some inductive arguments are valid.
- d) A valid argument can have false premises.

No, the answer is incorrect.
Score: 0

Accepted Answers:
c) Some inductive arguments are valid.

5) True or false? **1 point**
 "Non-claims are not statements."

- a) True
- b) False

No, the answer is incorrect.
Score: 0

Accepted Answers:
b) False

6) Which of the following is not a premise-indicator word? **1 point**

- a) For
- b) Since
- c) It follows that
- d) Given that

No, the answer is incorrect.
Score: 0

Accepted Answers:
c) It follows that

7) Which one is the correct diagram of the following argument? "All physical objects have mass and this table is a physical object, it has mass." **1 point**

a)

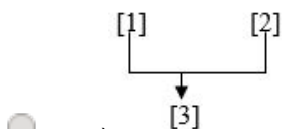
```

graph TD
    1["[1]"] --> 2["[2]"]
    1 --> 3["[3]"]
            
```

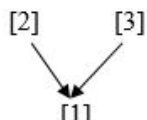
b)

```

graph TD
    2["[2]"] --> 3["[3]"]
    3 --> 4["[4]"]
            
```



c)

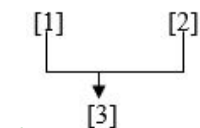


d)

No, the answer is incorrect.

Score: 0

Accepted Answers:



c)

8) True or false? "An inductive argument is good if and only if it is sound and valid."

1 point

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) False

9) True or false?

0 points

"In case of invalid argument, if we know that the premises are true then there is a very small possibility of the conclusion to be false"

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) False

10) Find out whether the following argument is valid or invalid?

1 point

Sunny is more intelligent than Ronny
 Bobby is more intelligent than Ronny
 Therefore, Sunny and Bobby have same IQ.

a) Valid argument

b) Invalid argument

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) Invalid argument

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