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NPTEL

reviewer4@nptel.iitm.ac.in ▼

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

Unit 1 - How to access Portal?

Course outline

How to access Portal?

- How to access the home page?
- How to access the course page?
- How to access the MCQ, MSQ and Programming assignments?
- How to access the subjective assignments?
- Quiz : Assignment 0

Week 1:

Week 2:

Week 3:

Week 4:

Week 5

Week 6:

Week 7

Week 8

Assignment 0

The due date for submitting this assignment has passed.

As per our records you have not submitted this **Due on 2018-08-07, 23:59 IST.** assignment.

1) 'If Sweden plays, then Germany will be out'- This sentence will be false if Sweden plays and Germany is not out. **1 point**

- a) True
- b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) True

2) 'Exclusive or' will be true if and only if both the disjuncts are false. **1 point**

- a) True
- b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) False

3) Two propositions are logically equivalent if there is at least one case where their truth-values match. **1 point**

- a) True
- b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) False

4) The sentence 'All cakes are good, except the stale' logically implies 'No stale cakes are good'. **1 point**

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Accepted Answers:

a) True

5) If A is true and B is false then 'A and B' will be true. **1 point**

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) False

6) If 'Some animals are ferocious' is true, 'Some animals are not ferocious' may also be true. **1 point**

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) True

7) Deductive arguments are invalid when the conclusion is true. **1 point**

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) False

8) 'Some smart people are not rich' contradicts 'All smart people are rich'. **1 point**

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) True

9) 'Neither me nor Kuhu will go' logically means 'Either I will not go or Kuhu will not go'. **1 point**

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) False

10) If A is true and B is false then 'A or B' will be true. **1 point**

a) True

b) False

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) True

11) The truth tree for the following argument:
 $((V \supset X) \bullet V) \supset \sim X$

1 point

- a) Shows that it is a tautology.
- b) Shows that it is a contradiction.
- c) Shows that it is a contingent.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c) Shows that it is a contingent.

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