

Student name: _____

- 1) A study of logic reveals that
- A) anything is possible.
B) everything is impossible.
C) there are some things that can't possibly be false.
D) there are some things that are both logically possible and logically impossible.
- 2) The law of non-contradiction says that
- A) it's against the law to contradict yourself.
B) some things are non-contradictory.
C) nothing can have a property and lack it at the same time.
D) no one can contradict the word of God.
- 3) Without the laws of thought, communication and thought itself would be
- A) impossible.
B) possible.
C) necessarily true.
D) necessarily false.
- 4) Anything that violates the laws of logic is said to be
- A) Logically necessary.
B) Logically incomplete.
C) Logically possible.
D) Logically impossible.
- 5) Married bachelors and square circles can't exist because they are
- A) Logically impossible.
B) Technologically impossible.

- C) Physically impossible.
- D) All of the above.

E) None of the above.

6) ESP is

- A) Physically impossible.
- B) Logically impossible.
- C) Technologically impossible.

D) Logically and physically possible.

7) Which of the following seems to be at odds with the principle of causality?

- A) Aliens visiting Earth
- B) Precognition
- C) A round object that is square

D) ESP
(extrasensory perception)

8) The belief that we've been visited by extraterrestrial aliens is improbable because interstellar travel is

- A) logically impossible.
- B) physically impossible.
- C) technologically impossible.

D) all of the above.
E) none of the above.

9) We have good reason to doubt a proposition if

- A) it conflicts with other propositions we have reason to believe.
- B) it conflicts with our background information.
- C) it conflicts with the opinions of experts on the

topic.

D) All of the above.
E) None of the above.

10) Which of the following is the best example of the "Appeal to Ignorance" fallacy?

- A) If you do not believe in the devil, he will possess you until you do.
- B) Everyone believes in God, so he must be real.
- C) No one has proven that there is no Loch Ness monster, so Nessie must be out there.

- D) All of the above.
- E) None of the above.

11) If something is physically impossible, then it is inconsistent with

- A) the laws of technology.
- B) the laws of mysticism.
- C) the laws of nature.

- D) the laws of logic.

12) If something violates the law of non-contradiction it is a

- A) logical impossibility.
- B) physical impossibility.

- C) technological impossibility.
- D) all of the above.

13) What is the difference between logical possibility and physical possibility?

14) Is ESP logically impossible?

15) Is ESP physically impossible?

16) Consider this argument: No one can explain how it happened. Therefore it must be a miracle. Is this argument a good one? Why or why not?

17) Consider this argument: You can't prove that aliens haven't visited Earth. Therefore it's reasonable to believe that they have. Is this argument a good one? Why or why not?

18) It is logically possible for a triangle to not have three interior angles.

- ☐ true
- ☐ false

19) It is logically possible for pigs to fly.

- ☐ true
- ☐ false

20) Einstein's theory of relativity provides a way of looking at the universe that makes it both logically and

physically possible for the future to exist now.

- ☐ true
- ☐ false

21) Accepting a belief in precognition seems to require rejecting a belief in free will.

- ☐ true
- ☐ false

22) Just because something is logically or physically possible doesn't mean that it will ever be actual.

- ☐ true
- ☐ false

23) If you can't explain something, that means it's supernatural.

- ☐ true
- ☐ false

24) The laws of science do not have to obey the laws of logic.

- ☐ true
- ☐ false

25) If something is causally possible, then it's logically possible.

- ☐ true
- ☐ false

26) If something is logically possible, then it's causally possible.

- ☐ true
- ☐ false

27) An opponent's inability to disprove a conclusion is proof of the conclusion's correctness.

- ☐ true
- ☐ false

28) According to the law of non-contradiction, you can't contradict the world of God.

- ☐ true
- ☐ false

29) According to the law of identity, it's illegal to impersonate someone else.

- ☐ true
- ☐ false

30) If something is logically possible, it's real.

- ☐ true

31) If you can't prove that a claim is false, it must be true.

- ☐ true
- ☐ false

32) If you can't prove that a claim is true, it must be false.

- ☐ true
- ☐ false

33) ESP (Extra Sensory Perception) is logically impossible.

- ☐ true
- ☐ false

34) Without the laws of thought, communication would be impossible.

- ☐ true
- ☐ false

35) If something is technologically impossible, it violates a law of nature.

- ☐ true
- ☐ false

Answer Key

Test name: Chapter 2

- 1) C
- 2) C
- 3) A
- 4) D
- 5) D
- 6) D
- 7) B
- 8) C
- 9) D
- 10) C
- 11) C
- 12) D
- 18) FALSE
- 19) TRUE
- 20) TRUE
- 21) TRUE
- 22) TRUE
- 23) FALSE
- 24) FALSE

- 25) TRUE
- 26) FALSE
- 27) FALSE
- 28) FALSE
- 29) FALSE
- 30) FALSE
- 31) FALSE
- 32) FALSE
- 33) FALSE
- 34) TRUE
- 35) FALSE