Wolkite University
College of Social Science and Humanities
Department of Civics and Ethical Studies

Course title: *Logic and Critical thinking* **Total Value:** 20 %
Midterm exam **Time allowed:** 50'

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NAME ID # / / STREAM: SECTION

PART One). *WRITE 'TRUE' IF THE STATEMENT IS CORRECT AND 'FALSE' IF IT IS WRONG (1 PT. EACH)*

T 1. Philosophy is a rational and critical enterprise, which tries to answer fundamental question with the experimental procedure.

T 2. In deciding whether a passage contain argument or not we should have keep an eye on indicator words.

F 3. Valid deductive argument is an argument in which it is improbable for the conclusion to be false given that the premises are false.

T 4. Sound argument is a valid argument with at least one true premises

F 5. Weak inductive argument is an argument in which it is impossible for the conclusion to be false given that the premises are true.

T 6. If the conclusion of an argument follows merely from the definition of a word used in a premise, the argument is an inductive and strong argument.

F 7. An argument that proceeds from the knowledge of the cause to the knowledge of an effect is inductive argument.

F 8. An argument that draws a conclusion about a *thing* based on that thing's similarity to something else is a deductive argument

PART Two). *CHOOSE THE BEST ANSWER (1 PT. EACH)*

9. Which one of the following is *incorrect* about philosophy?

A. Philosophy is a process of reflecting on and criticizing our most deeply held conceptions and beliefs.
B. Having" a philosophy, is sufficient for "doing" philosophy
C. Philosophy is the logical analysis of language and the clarification of the meaning of words and concepts.
D. Philosophy is a rational attempt to look at the world as a whole.

10. . Which of the following is *incorrect*?

A. An argument can consist of one and more premises and conclusions C. All sentences are statement.
B. Premise is a statement that claims to provide support for the reason believe D. A and B.C

11. Which of the following is categorize under inductive arguments?

A. Arguments from authority, arguments from analogy, and argument based on mathematics.
B. Arguments from causal inference, hypothetical syllogisms, and disjunctive syllogism
C. Arguments from generalizations, arguments from authority, and arguments from prediction.
D. Hypothetical syllogisms, arguments from definition, and disjunctive syllogisms

12. Which of the following correct statement?

alid argument can have false premise and false conclusion.

B. Sound argume invalid.

ound argument are always valid and have at least one true premises

D. Cogent argume inductively stro

13. Which of the following correct about Empiricism?

The ultimate reality can grasped by the five senses

B. Is knowledge one or ma

What is truth, and how can we know statement is true

D. All

14. Because triangle A is congruent with triangle B, and triangle A is isosceles, it follo triangle B is isosceles: this argument is?

. Inductive argument based on Geometry

B. Inductive argument based

C. Deductive argument based on mathematics

D. Inductive argument based

15. In the expression "If a nation engages in torture, then it loses moral authority in the community," the statement *"A nation engages in torture"* called the _____?

A. Conclusion

B. Antecedent

C. Explanandum

D. Cor

16. The theoretical physicists of Oxford University are conducting a research on sub a particles aiming advancing the limits of science that is restrained by inventions base atomic theory. The argument that will emerge from such kind of research is _____

A. Inductive argument

B. Deductive argument

C. Sound argument

D. Val

PART THREE). ANALYZE THE FOLLOWING ARGUMENT (1 PT.).

17. Paying of terrorist in exchange for hostage is not a wise strategy since such action will only lea more hostage in the future.

PART FOUR). CONSTRUCT YOUR OWN ARGUMENT FULFILLING THE CRITERIA SET BELO

18. Valid, true premises and false conclusion

Therefore, _____

19. Invalid, false premises and false conclusion

20. Weak argument, true premises and probably true conclusion