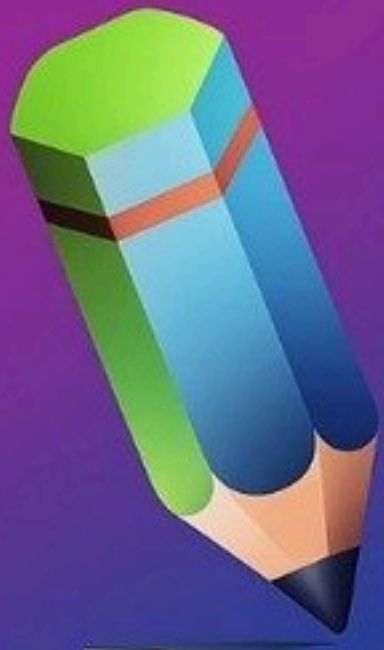


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t.me/keleme_2013

Wachemo University
College of Social Science and Humanities
Department of Political Science and International Relations

Logic and Critical Thinking mid Exam for Freshman Main and Durame Campus Students

Academic Year: 2017/2025 **Weight: 20%**
Time allotted: ~~1hr~~ 60' Credit Hours: 03
Name _____stream _____ID._____section_____

General Instructions:

- *Do not bring unauthorized materials such as notes, textbooks, or electronic devices.*
- *Do not engage in cheating; it results in the total cancellation of your result.*
- *Stay calm and focused throughout the exam. If you feel anxious, raise your hand for assistance.*
- *Make sure you have written your name and student ID on the exam paper and answer sheet*
- *Once the exam is over, stop writing immediately when instructed.*

Part I: - Write True if the Statement is correct and false if the Statement is incorrect

1. Validity and truth have no direct relationship.
2. Ontology is an aspect of axiology that deals with the nature of existence or reality.
3. Being a bachelor is both a sufficient and necessary condition for being an unmarried man.
4. Axiology assumes that all values are subjective and dependent on individual preferences.
5. A deductive argument that has true premises and false conclusion is always invalid.
6. All unsound arguments are always invalid.

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Part II: Choose the best answer from the given alternatives

7. Last week I bought new jeans with a tag that reads "Made in China". Thus, my new jeans were made in China.
   A. Inductive, strong B. Deductive, valid C. Inductive, weak D. Deductive, invalid
8. Which of the following is an **argument**?
   A. While the average person spends approximately two hours per day on their smartphone, the actual impact of this behavior is still being debated by experts.
   B. The government's education policy has reduced illiteracy rates by 25% in the last decade. This demonstrates the effectiveness of the new initiatives.
   C. Social media platforms are adopting stricter privacy policies to safeguard user data due to the increasing number of users.
   D. Despite the claims made by environmental activists, there is no clear scientific consensus about the impact of fracking on groundwater contamination.
9. Identify the statement that is **not** an argument.
   A. The tree outside my house is large and provides much-needed shade, especially during the hot summer months.
   B. Global warming is causing extreme weather events, and if current trends continue, it will have catastrophic consequences for agriculture and coastal areas.
   C. Because research shows that early childhood education improves academic success, policymakers should increase funding for preschool programs.
   D. As we have seen in the past, technological innovations often disrupt traditional industries, and this is likely to continue with the rise of artificial intelligence.
10. Which one of the following is/are **inductive** argument?
    A. Yewubdar is an introverted person. Therefore, she prefers solitary activities over socializing.
    B. No cardiologists are individuals who jeopardize the health of patients. All faith healers are individuals who jeopardize the health of patients. Therefore, no faith healers are podiatricians.
    C. Either the system will work as expected, or it will need to be repaired. If the system needs repair, the technician will be called. The technician was not called. Therefore, the system worked as expected.
    D. A computer's processor runs programs and stores information to perform tasks. The human brain processes thoughts and stores memories to perform cognitive tasks. Therefore, the brain functions exactly like a computer.

11. Consider a tree in the forest. It stands tall with its branches reaching towards the sky. It provides shelter to birds and shade to the ground beneath it. This passage can be identified:
A. Report B. Illustration C. Argument D. Explanation

12. Which of the following best illustrates an **inductive** argument?
A. All professors are PhD holders. Henock is a professor. Therefore, Henock is a PhD holder.
B. If all of the premises of an argument are true, then the conclusion must also be true.
C. Professor David Lee, an expert in educational psychology, argues that active learning techniques improve student retention and engagement. Therefore, active learning methods are likely to be more effective in helping students retain information than traditional lecture-based approaches.
D. The earth orbits the sun because the force of gravity between them keeps the planets in orbit.

13. Which of the following is a **strong inductive** argument?
A. There is an 80% chance of rain tomorrow, according to weather patterns and current forecasts.
B. The sun has set every day for the past 10,000 years, so it is probably going to set tomorrow.
C. The man is guilty since all circumstantial evidence points to his involvement in the crime.
D. All soldiers in this unit are trained in advanced combat tactics. Adamineh is assigned to this unit; therefore, he must be trained in advanced combat tactics.

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14. Which of the following is a **deductive** argument?
A. There are four oranges in the basket. Three oranges were taken out, leaving one orange in the basket.
B. The vast majority of people who take vitamin D every day experience modulate immune responses and reduce the risk of infections, particularly respiratory illnesses with those who don't, so you should start taking vitamin D to reduce your chances of getting sick.
C. The earth is 4.5 billion years old. Dinosaurs roamed the earth millions of years ago. Therefore, dinosaurs existed on Earth before humans.
D. For a few months, the stock market has been volatile. The market is probably going to continue to fluctuate given the state of the economy.

15. Which of the following is an example of a **weak inductive** argument?
A. Many people who smoke cigarettes every day report feeling more alert, so smoking cigarettes will likely help you feel more alert.
B. Last time I went to the Church, it was very crowded, so the church will likely be crowded next day.
C. I have met five people who have Car Manufacturing Companies and they were all humble, so all Car manufacturing company owners are humble.
D. Every time I go to downtown, it's sunny, so tomorrow it will probably be sunny at the downtown.

16. What is the key difference between **inductive and a deductive** argument?
A. An inductive argument cannot have a conclusion that is necessarily true.
B. A valid deductive argument necessarily leads to the conclusion if the premises are true, while an inductive argument merely shows that the conclusion is probable or likely.
C. A valid deductive argument is always sound, while an inductive argument is always weak.
D. A deductive argument is always stronger than an inductive argument.

17. Which one best describes the **importance of philosophy** in advancing human knowledge?
A. Philosophy solves practical problems by offering specific solutions to technological & social issues.
B. Philosophy reinforces societal structures and prevents the disruption of traditional thinking.
C. Philosophy provides a single, universally accepted answer to most philosophical questions.
D. Philosophy evaluate scientific evidence and ensures science aligns with ethics & human values.

18. Which one **does not** belong to the inductive argument?
A. Syllogism .B Sign C. prediction D. Analogy

19. Which one related to knowledge comes from sensory experience and empirical observation?
A. Empiricism B. Idealism C. Pragmatism D. Rationalism

20. Which of the following best describes the role of **empiricism** in epistemology?
A. Empiricism suggests that true knowledge can only be obtained through divine revelation.
B. Empiricism rejects all forms of knowledge that cannot be directly observed or measured.
C. Empiricism maintains that knowledge is primarily observation and experimentation.
D. Empiricism argues that knowledge is independent of sensory experience.