



campus handouts

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ADDIS ABABA UNIVERSITY
DEPARTMENT OF PHILOSOPHY
MID TERM EXAM FOR LOGIC AND CRITICAL THINKING

Write your answers ONLY on the answer sheet. Time Allowed: 60 min

PART-I Multiple Choice (1 Point Each)

Instruction: Choose the CORRECT answer and write them ONLY on the answer sheet. Use ONLY capital letters to provide your answers.

- All managers are journalists. All journalists are lawyers. So, all lawyers are journalists.
This argument is said to be:
 A. Valid Categorical syllogism
 B. Invalid Argument
 C. Uncogent Syllogism
 D. Cogent Syllogism
 E. Valid Hypothetical Syllogism
 F. Invalid Disjunctive Syllogism
- No cat is a reptile owing to all cats are dogs and no dog is a reptile. What would be the proper name of this argument in terms of both inferential and factual claims?
 A. Sound
 B. Unsound
 C. Valid
 D. Invalid
 E. Cogent
 F. A and B
- Yesterday I bought new jeans with a tag that reads, "Made in U.S.A". Thus, my new jeans were made in the U.S.A.
 A. Deductive, Uncogent
 B. Inductive, Strong
 C. Deductive, Unsound
 D. Deductive, valid
 E. Inductive, Weak
- A cogent argument requires one of the following combinations:
 A. Strength and Validity
 B. Strength and Truth
 C. Validity and Truth
 D. Soundness and Strength
 E. All, but not "D"
 F. None
- Definitions which are formulated to resolve disputes by influencing the attitudes or emotions of readers or listeners are best called _____ definitions.
 A. Lexical
 B. Theoretical
 C. Stipulative
 D. Precising
 E. Persuasive
 F. All
- Which one of the following statements is incorrect?
 A. Strength or validity is about the logical connection between the premises and the conclusion.
 B. An argument is valid if and only if there is no logically possible situation where all the premises are true and the conclusion is false at the same time.
 C. A sound argument is one where the truth of the premises guarantees the truth of the conclusion, but soundness does not guarantee that the premises are in fact true.
 D. If the premise in an inductive argument is true, there is no guarantee that the conclusion must also be true.
 E. It is possible for a valid argument to have a true conclusion even when all its premises are false in fact.
- [A] We were late for class [B] because we were having a breakfast. What we can say about the relationship of these two statements?
 A. A because B here implies no kind of reason at all.
 B. A because B justifies what is the case.
 C. A because B presents both reason of why and what is the case.
 D. A because B explains why something is the case.
 E. A because B in this context says there is identical appearance of the premise and the explanans.

8. Identify the argument which is odd in its form of argumentation from the given alternatives below:

- A. Both Lionel Messi and Cristiano Ronaldo play in English premier league. Messi's payment is 40,000 Euro per week. Ronaldo's weekly payment is less than Messi's by more than half. Accordingly, Ronaldo must be paid 19,500 Euro weekly.
- B. Professional football players are aggressive. Wined Mark Rooney is a professional footballer. Accordingly, Rooney must be aggressive.
- C. In Africa there are 59 countries. But for the sake of my study I took only a sample of 37. The data of my study has already assured these 37 countries are growing by more than single digit economy. In the context of my study then it must be the case that most African countries are growing by more than single digit economy.
- D. I am going to rent a studio which has a length and width of 4 and 5 meters long, respectively. Accordingly, it is certainly true that this studio has a rectangle shape.
- E. Either Samrawit has exactly 10,000 or 7,500 dollars in her bag. Indeed, Samrawit has 10,000 dollars in her bag. Whence, in Samrawit's bag one can find a dollar which is greater than 7,500.
- F. All of the above
9. A statement that is incorrect about an argument among the following is:
- A. It is necessary for an argument to have one conclusion and more than one premise.
- B. There must be a claim supported or implied by evidence for a passage to contain an argument.
- C. A conclusion of an argument may appear either at the beginning or middle or at the end part of the passage.
- D. At least one of the statements must provide evidence to support or prove a claim.
- E. Evidence is a kind of reason, and the attempt to provide evidence in support of a conclusion is normally called an argument.
- F. Both "A" and "C"
10. If government imposes import restrictions, the price of automobiles will rise. Therefore, since the government will not impose import restrictions, it follows that the price of automobiles will not rise, this argument form is
- A. Invalid B. Valid C. Sound D. Cogent
11. "The reason poverty is rising worldwide is that the global economy has made it impossible for countries to provide stable working conditions for its citizens." This passage can be identified as?
- A. Argument B. Report C. Explanation D. Illustration E. Exposition
12. Claude Sumner initiated the project of studying the written sources of Ethiopian philosophy. He also analyzed the role of oral literature and western literature for the understanding of Ethiopian philosophy. As such, Claude Sumner could be seen as the greatest thinker in the development of Ethiopian philosophy.
- A. Argument; conclusion: initiated the project of studying the written sources of Ethiopian philosophy.
- B. Argument; conclusion: As such, Claude Sumner could be seen as the greatest thinker in the development of Ethiopian philosophy.
- C. Argument; conclusion: analyzed the role of oral literature.
- D. Non-argument E. Explanation.
13. In the definition "'Martyr' means a person who willingly suffers death rather than renounce his or her religion" the genus term is:
- A. Martyr B. Person C. Religion D. Who willingly suffers death

14. Emperor Tewodros II is the grand architect of Ethiopian modernity. He tried to revolutionize existing relations between the state and church; he tried to build a modern army and also sought to establish foreign relations with western European nations.
- A. Argument; conclusion: He tried to revolutionize existing relations between the state and church.
 - B. Argument; conclusion: he tried to build a modern army.
 - C. Expository passage
 - D. Loosely associated statements
 - E. Argument; conclusion: Emperor Tewodros II is the grand architect of Ethiopian modernity.
 - F. All

15. One is not true about lexical definition?

- A. It simply reports the way in which a term is already used within a language community.
- B. Its core aim is to inform someone else of the accepted meaning of the term, so the definition is more or less correct depending upon the accuracy with which it captures that usage.
- C. Lexical definitions are the kinds of definitions found in dictionaries
- D. Like theoretical definitions, lexical definitions do not attempt to capture the real meaning of a word and so can be neither correct nor incorrect.
- E. "A" and "B"

16. "For 5 Killo students are mild, it is true they are gentle." Identify the right definitional technique which is used to develop this argument.

- A. Enumerative
- B. Ostensive
- C. Operational
- D. Genus and Difference
- E. Synonymous

17. Which of the following statements contains a vague expression or term?

- A. The stolen bicycle was found by a man sleeping in the park.
- B. Mr. Hussein, my neighbor, is wealthy.
- C. Elias watched Hareg throw a ball through the window.
- D. Semira said that her apartment is located on Palm Street.

18. "Habesha beer" means cold gold. Which criterion of lexical definition does this definition violate?

- A. A definition should not be too broad
- B. A definition should not be too narrow
- C. A definition should not be figurative.
- D. A definition should not be circular
- E. None

19. According to Karl Marx, justice means to each as per his need and from each as per his ability. This definition can be classified as?

- A. Theoretical
- B. Lexical
- C. Stipulative
- D. Persuasive
- E. Précising

20. Selling salt to customers after twelve brings bad luck on one's life. Thus, one shouldn't sell salt to customers.

- A. Inductive, invalid
- B. Deductive, valid
- C. Inductive, strong
- D. Deductive, unsound
- E. Inductive, weak

Part II- True/False

Instruction: Write "True" if the given statement is CORRECT or write "False" if it is INCORRECT (1 Point Each).

- 21. A sound argument could be sometimes invalid.
- 22. A valid argument should not only be restricted as an argument with factually true premises and a true conclusion.

23. In logic strength and validity are restricted only to arguments and not statements, and truth is a property of statements but not arguments.
24. For the past twenty-five years Ethiopian athletes have been dominant in the world of athletics. Thus, Ethiopian athletes will probably remain dominant in the coming couple of years. This argument is an example of a deductive valid argument.
25. Musical instruments $\rightarrow$ traditional musical instruments $\rightarrow$ traditional string musical instruments $\rightarrow$ Kirar. In this sequence of terms, intension increases while extension decreases.
26. The definition "Covenant means agreement" is an example of etymological definition.
27. The intensional meaning of a term serves as the criterion for deciding what is denoted by the extensional meaning of a term.
28. Giving birth is a sufficient condition for being a parent.
29. An argument that draws a conclusion that something is true because someone has said that it is, is an inductive argument.
30. It must be raining outside. After all, if it weren't, then the ground would be dry, but it's soaking wet, this argument can be best regarded as a deductive argument.

Answer Sheet

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Dep't ENG

Section 04

Instructor's Name Abu G. Tessema YGSU

Part - I Multiple Choice

1. B
2. B
3. B
4. E
5. B
6. D
7. D
8. B
9. A
10. A
11. C
12. B
13. E
14. E
15. D

21
30

16. C
17. C
18. C
19. D
20. E

Part II - TRUE/ FALSE

21. True
22. True
23. False
24. True
25. True
26. False
27. True
28. True
29. True
30. True