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Name_____Id.N°_____Sec._____Stream_____

Part I: Write true if the statement is correct and false if it's incorrect(=6pts)

1. An argument must have more than one premise.
2. A deductive argument is always invalid if it has true premise and false conclusion.
3. The existence of indicator words with in a passage guarantees existence of an argument.
4. In logic the statements, which are claimed to provide logical reasons are called premises.
5. Non statements can be used to construct an argument.
6. Depending on the truth value of its statements, a valid argument can be sound or unsound.

Part II: Choose the best answer and put the letter of your choice on the space provided(=15pts)

1. Which one of the following alternatives makes an argument cogent?
   A. If the argument inductive, weak and has true premises.
   B. If The argument inductive, strong and has false premise.
   C. If the argument is inductive, weak and has false premise.
   D. If The argument is inductive, strong and has true premises
   E. 'A' & 'D'
2. The argument "***For the last ten years people have been listening to Teddy Afro's music and found it interesting. Probably, people will listen to it a year from now.***" is categorized under _____?
   A. Deductive, argument of definition
   B. Inductive, argument from authority
   C. Inductive, argument of analogy
   D. Inductive, based on prediction
   E. None of the above
3. An argument ***"95% of all examined fish from the Abaya Lake contained dangerous levels of mercury. This fish came from the Abaya Lake. Therefore, this fish probably contains dangerous levels of mercury."*** is _____?
   A. Valid Deductive argument
   B. Weak inductive argument
   C. Invalid deductive argument
   D. Strong Inductive argument
   E. None of the above
4. A Deductively valid argument may have all of the following combinations of truth values **except**?
   A. True premises and True conclusion.
   B. False premises and True conclusion
   C. False premises and false conclusion
   D. True premises and false conclusion
   E. All of the above
5. The expression "***I think Buna fc is the best football club in Ethiopian premier league***" is _?
   A. Passage of report
   B. Statement of belief
   C. Passage of Warning
   D. Passage of advice
   E. None of the above
6. Which one of the following is a statement?
   A. What is the meaning of logic?
   B. Metaphysics studies nature of reality
   C. Can you open the window, please?
   D. Wow, what a weekend
   E. None of the above
7. ***Teddy and his brother Kifle are alike in many ways. They both like fashion, music and sport. Teddy likes a movie. It must be the case that Kifle also likes a movie.*** This argument can be _____?
   A. Argument of Prediction
   B. Argument of Analogy
   C. Argument of Causal inferences
   D. Argument of Sign
   E. Inductive generalization

Arba Minch University
Social Studies
College of Humanities

Mid- Exam: Critical Thinking (30%), Time Allotted:1hr; T. Group:2021 Freshman Students; E.Date:14/12/2013

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8. Either classical culture originated in Greece, or it originated in Egypt. Classical culture did not originate in Egypt. Therefore, classical culture originated in Greece. This argument is?
   A. Hypothetical syllogism
   B. Disjunctive syllogism
   C. Categorical syllogism
   D. Argument based on analogy
   E. Argument based on authority

9. '*The government of Ethiopia has been adopting the system of decentralization. This implies that, the Ethiopian government recognizes greater level of local autonomy.*' This argument is____?
   A. Argument based on definition
   B. Argument based mathematics
   C. Arguments based on syllogism
   D. Argument based on prediction
   E. Argument based on sign

10. Which of the following is not a method used to identify deductive arguments?
   A. Special indicator words
   B. inferential link between the premise and a conclusion
   C. Form of argumentation the arguer uses
   D. All of above
   E. None of the above

Part III: short answer item

1. Determine Whether the Following Arguments are Deductive, Inductive, Valid, Invalid, Strong, Weak, Sound, Unsound, Cogent or Uncogent(=**6pts**)

Argument: ***All kangaroos are animals that live in the sea. Some dogs are kangaroos. Therefore, some dogs are animals that live in the sea.***

a) Type of Argument: _____
b) Validity/Strength: _____
c) Soundness/ Cogency: _____

Argument: ***All human beings are mortal. All Ethiopians are human beings. Therefore, all Ethiopians are mortal.***

a) Type of Argument: _____
b) Validity/Strength: _____
c) Soundness/ Cogency: _____

2. Identify The Premises, Conclusion and Indicator Word used in This Argument (**3pts.**)

Argument: ***Helen receives her payment at the end of the month. All Arba Minch University non-café students receive their payment at the end of the month. Helen is Arba Minch University non-café student.***

a) Premises: _____
_____
_____
b) Conclusion _____
_____
c) Indicator word _____