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Debre Tabor University

Faculty of Social Science and Humanities

Department of Civics and Ethical Studies

Logic and Critical Thinking Final exam for freshman students (2012/2020)

Time allowed: 2:00 Hrs

Total weight: 50%

Name _____ **ID, NO** _____ **Dep't** _____ **Sec**_____

General Instructions

- Make sure that the exam paper consists 35 questions in 6 pages
- Any kind of cheating or an attempt to cheat will result in total disqualification of the result
- Write your answers only on the answer sheet provided at the end of the question paper.
- Don't detach the answer sheet
- Switch off your cell phone

Part I: <u>Write True if the statement is correct and False if it is incorrect (1pt each)</u>

1. As the intension of terms increases, the extension of terms necessarily decreases.
2. Logic is a science on the account that it has methods and principles used to distinguish good from bad reasoning.
3. In fallacies of weak induction the premises are logically irrelevant to the conclusion.
4. Formal fallacy can be identified through a mere inspection of the structure of an argument.
5. A word is ambiguous if it has two or more distinct meanings in a particular context.

Part-II: <u>choose the appropriate answer from the given alternatives (1.5 pts each)</u>

1. Mr. "X" is an illegal alien. An alien is a creature from outer space. Therefore, Mr. "X" is a creature from outer space. The fallacy committed in this argument is:
   A. Equivocation
   B. Amphiboly
   C. Composition
   D. Division
2. The definition "Watch" means a small portable clock. This definition is:
   A. synonymous
   B. Etymological
   C. Demonstrative
   D. genus and difference

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3. Opponents of capital punishment have argued that the death penalty is unfair and discriminatory. But it is ridiculous to suggest that cold-blooded murderers should not have to pay for their crimes. How is that fair to the victims or their families? The fallacy committed in this argument is:

   A. Straw man
   B. Ad hominem circumstantial
   C. Ad hominem abusive
   D. Begging the question

4. Dean of students to Student X: You have twice been cited for violating the college's alcoholic beverage policy. If you commit a third violation, I will have no choice but to suspend you from school. Which of the following is **correct** about the given argument?

   A. The Dean commits an appeal to force fallacy.
   B. Student X commits an appeal to force fallacy.
   C. Student X commits an appeal to pity fallacy.
   D. No fallacy is committed.

5. You often hear people say that the French are rude, especially to people who do not speak their language. But France is a wonderful country! The wine, the food, the museums! There is no country in Europe I would rather visit. The fallacy committed in this argument is:

   A. Red herring.
   B. Begging the question.
   C. Straw man.
   D. Appeal to people.

6. Given case: There are students who like some courses. Some students like Mathematics. Some other students like Logic. Some students like neither Mathematics nor Logic. Which one of the following is **correct** about the given case?

   A. Students who like logic also like Mathematics.
   B. Students who like neither Mathematics nor Logic may or may not like other course.
   C. Students who dislike Mathematics and Logic do not like any other course.
   D. Students who like some courses necessarily like Mathematics and logic.

7. "Donkey" means a domestic animal. What is the problem of this definition? It is:

   A. Grammatically incorrect.
   B. Too narrow and too broad.
   C. Too broad.
   D. Too narrow.

8. Lawyers give poor free advice. This expression is:

   A. Clear
   B. Vague
   C. Equivocal
   D. Amphibological

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15. No one has ever experienced revelation as source of knowledge. Therefore, it is impossible to access knowledge through revelation. The fallacy committed in the above argument is:

A. hasty generalization
B. weak analogy
C. appeal to ignorance
D. slippery slope

16. Baye, one of your friends was asking about you the other day. He wanted to know if you were still stealing money from your father. What should I tell him the next time I see him? Are you still doing it? The type of fallacy committed in this argument is:

A. Begging the question
B. Straw man
C. Appeal to force
D. Complex question

17. The government has no right to spy on its citizens because citizens have a right to privacy. And this is true because such a right is guaranteed by the constitution which follows from the fact that our founding fathers recognized the sanctity of individual privacy against the intrusive power of the government. And of course this is true because the government has no right to spy on its citizens. This argument commits the fallacy of:

A. Begging the question
B. Red herring
C. Slippery slope
D. Missing the point

18. Which one of the following is **not** correctly expressing the concept of "critical thinking"

A. Skilled judgment of ideas
B. Thinking clearly and intelligently about an issue
C. Notorious objection of ideas of others
D. Disciplined thinking governed by clear intellectual standards

19. The president of college "X" has promised to stop drinking on campus. Apparently the president has a drinking problem. This argument commits the fallacy of:

A. Amphiboly.
B. Equivocation.
C. composition
D. Division

20. The first person has argued that give me either freedom or death. I failed to enjoy freedom. Thus, the sole alternative that I have to face is death. The second person has said, no, death is not your sole alternative. In addition to freedom and death, there is slavery, which can be taken as third alternative. Thus, choose one of the three alternatives since they are only three. In this dialogue, the second person committed:

A. No fallacy
B. Missing the point fallacy
C. Red herring fallacy
D. False dichotomy fallacy

9. There is a well-known saying about computers: "Garbage in, garbage out." If we apply this saying into man's thinking, it refers one of the following standards of critical thinking. Which one is it?

   A. Accuracy
   B. Precision
   C. Clarity
   D. Relevance

10. Politician 'A' embezzled the public money and hide in foreign banks, politician 'B' embezzled the public money and hide in foreign banks and politician 'C' also did the same. Accordingly, all politicians embezzled the public money and hide in foreign banks. The fallacy committed in this argument is:

    A. Weak analogy
    B. Division
    C. Hasty generalization
    D. Composition

11. My father's car and mine are nearly identical in terms of color, size and speed. It implies that both my father's car and mine are necessarily produced in the same factory. The type of fallacy committed in this argument is:

    A. Hasty generalization
    B. Slippery slope fallacy
    C. Over simplified cause fallacy
    D. Weak analogy

12. I don't want to allow a black cat cross my way. A few minutes after allowing a black cat to cross my way to Addis, my grandfather died accidentally. The fallacy committed in this argument is:

    A. Slippery slope fallacy
    B. Post hoc fallacy
    C. Non causa pro causa fallacy
    D. Over simplified cause fallacy

13. The seriousness of a penalty should be comparable to the seriousness of the crime. Right now, the penalty for drunk driving may simply be a fine. But drunk driving is a serious crime that can kill innocent people. Therefore, death penalty should be given for drunk driving. The type of fallacy committed in this argument is:

    A. Missing the point fallacy
    B. Red herring fallacy
    C. Straw man fallacy
    D. Hasty generalization

14. Which of the following statement has primarily cognitive meaning?

    A. I believe that Ethiopia will win the tripartite negotiation over Nile river
    B. The Great renaissance Dam of Ethiopia is self- financed project
    C. I have been disappointed on some social media users recently
    D. Ethiopia has a wonderful foreign relations with neighboring countries

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27. Killing of a person is ethically immoral; jurisdictionally illegal and religiously sin. Chanyalew killed six persons who attempted to invade his nation. Thus, the action, done by Chanyalew, is ethically immoral; jurisdictionally illegal and religiously sin. This argument committed :

A. Accident fallacy
B. Fallacy of Hasty generalization
C. Fallacy of Division
D. Non fallacy

28. The best way to spend your leisure time is to play golf because that is how all society's elite spend their leisure time. This argument committed:

A. Appeal to Snobbery error
B. No fallacy
C. Appeal to Vanity error
D. Circular reasoning

Part-III: Give appropriate response for the following questions (3 points)

1. Universe ⟶ Gondar ⟶ Earth ⟶ Planet ⟶ Ethiopia ⟶ continent ⟶ Africa ⟶ Debre Tabor. Write this series of terms in an order of:
   A. Increasing intension _____
   B. Increasing extension _____ (1pt).
2. Define the following terms using enumerative definitional technique (0.5pt each).
   A. Continent: _____
   B. River: _____

Answer sheet

Name _____ **IDNo.** _____ **Stream** _____ **Section** _____

True/false	1. True	2. True	3. True	4. True	5. True					
Choice	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
	11.	12.	13.	14.	15.	16.	17.	18.	19.	20
	21	22.	23.	24.	25.	26.	27.	28.		
Give appropriate response	1.	A.								
		B.								
	2.	A.								
		B.								

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