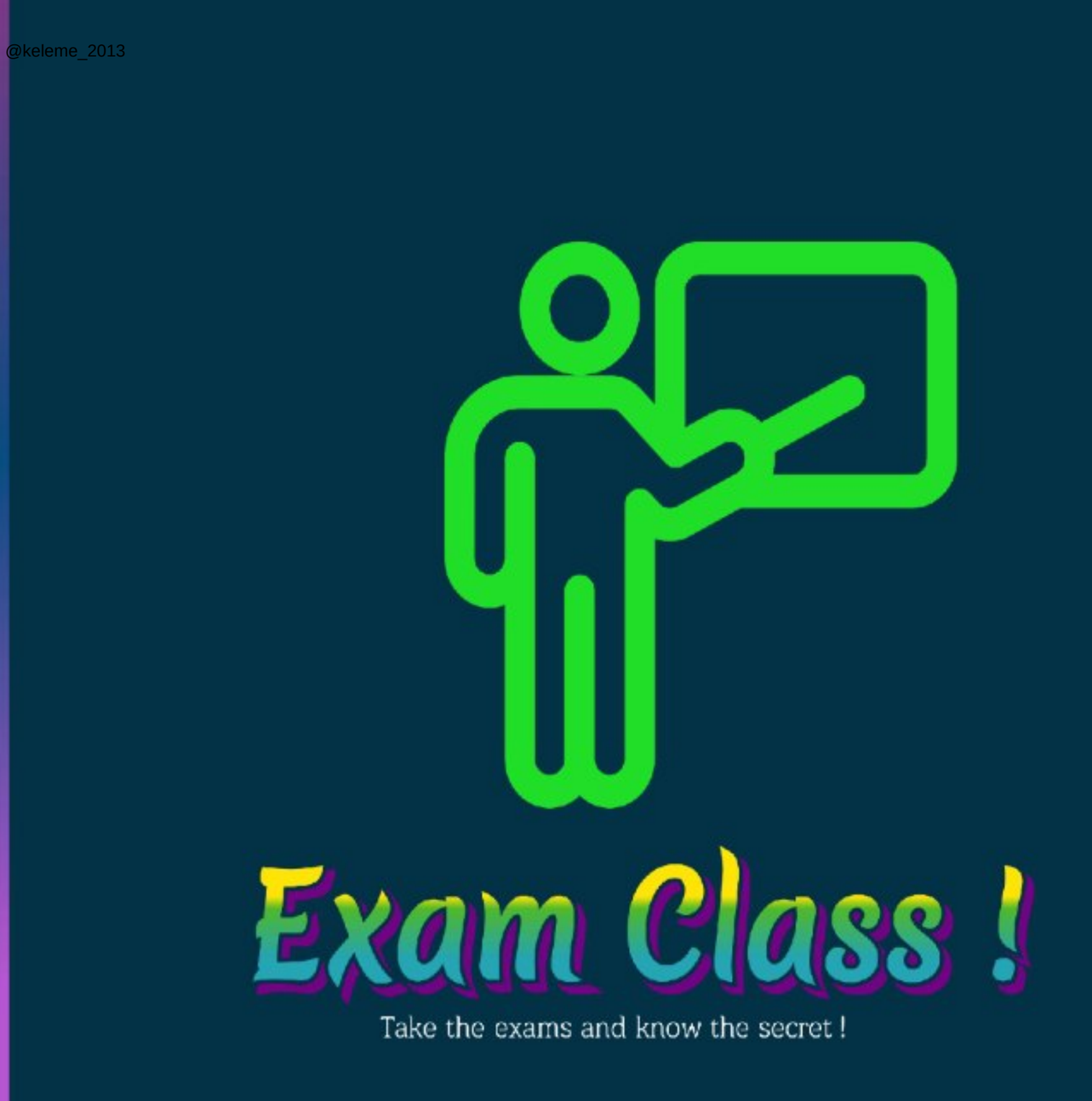
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Hawassa University

College of Law and Governance

Logic and Critical Thinking mid-exam for first year Student of 2022

Answer Sheet

Name _____ ID No _____ Sec _____

True or False		Choice part				Matching	
1		1		6		1	
2		2		7		2	
3		3		8		3	
		4		9		4	
		5		10		5	

Part I: True or False Item

Write "True" if the Statement is Correct and "False" if the Statement is incorrect(1pts).

1. Philosophical wisdom is the wisdom of the expertise or technical skills of professionals.
2. Simple non-inferential passages are unproblematic passages that lack a claim that anything is being proved.
3. In inductive argument, the premises are claimed to support the conclusion with strict necessity.

Part II: Multiple Choice

Choose the correct answers from the given alternatives(5pts)

1. Identify the correct statement about deductive argument;
   A. Deductive argument can be valid if it is possible for the premises to be true and the conclusion false
   B. A deductive argument can be sound if it is valid and all false premises.
   C. A deductive argument can be sound if it fails to be valid and true.
   D. Deductive argument can be invalid if it is impossible for the premises to be true and the conclusion false.
2. The inferential relationship between the statements in a passage, with no indicator words refers to:
   A. Factual Claim
   B. Explicit inferential claim
   C. Argumentative claim
   D. Implicit inferential claim
3. All are the basic features of philosophy except:
   A. It is a set of views or beliefs about life and the universe.
   B. It is a rational attempt to look at the world as a whole.
   C. It is the process of trying to give correct answer for all questions.
   D. It is a process of reflecting and criticizing our most deeply held beliefs.
4. A branch of philosophy which studies about the nature, scope, meaning, source, validity and possibility of knowledge called:
   A. Metaphysics
   B. Axiology
   C. Epistemology
   D. Logic

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5. The Theological Aspects of Metaphysics mainly focused on:
   A. The origin nature and development of universe.
   B. The nature and meaning of existence.
   C. The religious theories that deal with the conceptions about God.
   D. The study of human being and mind-body relations.
6. All Ethiopians are Americans. Kidane is an Ethiopian. Therefore, Kidane is American. This argument is example of:
   A. Inductive/strong B. Inductive/Weak C. Deductive/Valid D. Deductive/cogent
7. Which one is different from other?
   A. Argument based on Mathematics C. Argument based on definition
   B. Argument based on Syllogism D. Argument based on prediction
8. There are 40 students in this class. I have evaluated the answer sheets of 10 students and all of them scored above 85%. It implies that all students of this class are smart. This argument is an example of:
   A. Argument of analogy C. Argument of causal inference
   B. Argument of prediction D. Argument based on statistics
9. All are the benefits of studying logic but not one. Which one?
   A. It helps us to develop the skill needed to construct sound (good) and fallacy-free arguments.
   B. It provides a fundamental defense against the prejudiced and uncivilized attitudes.
   C. It decreases our confidence when we criticize the arguments of others and when we advance arguments of our own.
   D. It helps us to understand and identify the common logical errors in reasoning.
10. A statement set forth the reason or evidence, which is given for accepting conclusion of an argument refers:
    A. Logic B. Conclusion C. Premises D. Argument

Part III: Matching Item(5pts)

Match the letter with appropriate answer from column "B" to column "A"

"A"	"B"
1. Knowledge obtained through the sense	A. Intuition
2. Knowledge obtained through reason	B. Rationalism
3. Immediate feeling of certainty	C. Empiricism
4. Knowledge from Supernatural being	D. Revelation
5. Knowledge from experts	E. Epistemology
	F. Authority

Part VI: Short Answer

Give correct answers for the following questions (4 pts)

1. Enumerate the instances of inductive arguments
   1. _____ 3. _____
   2. _____ 4. _____
2. Write the four subsets of metaphysical questions.
   1. _____ 3. _____
   2. _____ 4. _____

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Part I: choose the appropriate answer from the given alternatives (1.5 pts each)

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1. Which one of the following is **not true** about Philosophy?
   A. It is a set of views or beliefs about life and the universe
   B. It is irrational attempt to look at the world as a whole
   C. It is a process of reflecting and criticizing on our conceptions and beliefs
   D. It clarifies the meaning and use of terms in science and everyday affairs of life
2. Which one of the following is **not** the question of Metaphysics?
   A. What are the attributes of God?
   B. Did the universe come by accident?
   C. Is beauty objective or subjective?
   D. Is reality composed of one element?
3. Philosophy is relevant for all of the following, except?
   A. Creative and Critical Thinker
   B. Flexibility and Open-Mindedness
   C. Moral-worthy and well-thought
   D. To rely on the ideas of others
4. Which one of the following is argument form of expression?
   A. I recommend you to read a variety of logic texts
   B. According to Ethiopia Olympic committee, Haile Gebreselasie is the best athlete in the world, because he able to get gold medals in 5000m, 10000m, and marathon
   C. In my opinion Ethiopia is in the verge of collapse
   D. No public servant is above the law. Therefore, all public servants are subject to laws
5. If you are doctor then you are brave. If you are brave then you are rich. Therefore, if you are doctor then you are rich. This argument is:
   A. Hypothetical syllogism
   B. Categorical syllogism
   C. Disjunctive syllogism
   D. Denying the consequent
6. Professor Patrice Lumumba is pan-Africanist. Therefore, he believes in the ideology of African brotherhood. This expression is:
   A. Deductive argument - categorical syllogism
   B. Inductive argument - argument by elimination
   C. Deductive argument - argument from definition
   D. Not an argument at all
7. Student X nodding his head Mr. Y teaches about argument evaluation. Therefore, student X understood the lesson. This argument is
   A. Argument from analogy
   B. Causal argument
   C. Argument based on sign
   D. Predictive argument
8. Which of the following statements is *false*?
   A. A conditional statement may serve as a conclusion
   B. A single conditional statement can be an argument
   C. Conditional statements express necessary and sufficient conditions
   D. Conditional statement can serve as both premise and conclusion of argument
9. A perspective on the source of knowledge which argues that knowledge is obtained through senses is:
   A. Rationalism
   B. Empiricism
   C. Revelation
   D. intuition
10. When someone expresses his/ her views with justifiable conclusion, is said to be:
   A. Explanation
   B. Opinion
   C. Advice
   D. Argument

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11. Which of the following is a necessary condition for winning a bicycle race?
    A. Having a bicycle that is more aerodynamic than any ~~of the others~~.
    B. Getting off the starting line ahead of the other racers.
    C. Staying alive during the race. ×
    D. Crossing the finish line one minute before the other racers ×
12. Agaye is a professor of philosophy and he told me that philosophy is more of an art than science. In view of professor Agaye, philosophy is an art and not essentially a science. T argument is :
    A. Inductive, argument based on analogy
    B. Deductive, argument from definition
    C. Inductive, argument from authority
    D. Inductive, Generalization
13. God is omniscient. So, he must know everything. The argument is:
    A. Disjunctive syllogism ×
    B. Categorical syllogism
    C. Argument from definition
    D. Hypothetical syllogism ×
14. Which of the following is correct?
    A. All arguments may have at least one premise and one conclusion ×
    B. All arguments have at least one conclusion and two premise
    C. All arguments holds factual claims rather than inferential claims ×
    D. The conclusion of an argument always appears at the end. ×
15. Either Cairo or Addis Ababa is the head quarter of AU. Cairo is not the head quarter of Therefore, Addis Ababa is the head quarter of AU. The argument is:
    A. Hypothetical syllogism
    B. Disjunctive syllogism
    C. Categorical syllogism
    D. Argument from definition
16. Mr. **F** is similar with Mr. **H** in many ways .Mr. **F** has property **W**. Hence Mr. **H** has al property **K.** The argument is:
    A. Inductive- analogy
    B. Deductive- definition
    C. Deductive- mathematics
    D. Inductive - sign

Part II: Determine the following arguments as deductive and inductive with its form 2 pts each).

John and Mosses are brothers. Mariyana is the daughter of John. Therefore, Mosses is of Mariyana. deductive argument, and theconclusion drived

Paying off terrorists in exchange for hostages is not a wise policy, sin action will only lead them to take more hostages in the Inductive, and _____

A lawyer argues that Mr, 'x' has committed the murder an eyewitness testified to under oath. Therefore, Mr. X is a criminal. deductive

theconclusion endicate the premises

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...s. write true, if the statement is correct and false, if it is incorrect!

1. *Logic course aimed at making students to critically question the idea of people, ga*
   information, and evaluate the argument of others but not themselves.
2. *Philosophy is a science that evaluates arguments*
3. *Axiology studies about the source and nature of human knowledge*
4. *In logic, argument does exactly mean verbal fight between people.*
5. *For an argument to be valid, having all true premises is enough.*

Part II Match the following terms with the best description. (1 pt for each)

A	B
6. Cosmological concern	A. The study of beauty
7. Rationalism	B. Development of the universe as an orderly
8. Aesthetics	C. knowledge obtained through the senses
9. Falsity	D. The truth value of a statement
10. Empiricism	E. Knowledge is based on reason

Part III: Multiple Choice Item: Choose the best answer from the given alternative write the letter of your choice on the answer sheet (1pt each).

...one of the following is not the concern of philosophy?
...owledge
...sity
C. Justice
D. None

...ich one is not true about philosophy?
A. Philosophy is easy to define since it deals about specific subject matter
B. Philosophy deals primarily with universal issues than subject matters.
C. Philosophy is wisdom but not all wisdom are philosophy
D. Philosophy is the development of critical habits, the continuous search for truth, the questioning of the apparent

13. Which one of the following is a serious philosophical question?
    A. Does God exist?
    B. Is it dark skin or white skin more affected by melanin?
    C. Does metabolism system exist in animals?
    D. Does astrazeneca vaccine saved humans from covid 19?
14. The reasoning process expressed by an argument is said to be:
    A. Inference
    B. Indicator word
    C. Cogency
    D. Validity

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15. All daughters of Mr.Yosef are dwarf
Rebecca is his daughter
Therefore, Rebecca is dwarf
This argument is:
A. It is syllogistic argument
B. It is inductive argument
C. It is deductive argument
D. It is disjunctive argument

16. Non argumentative passage is:
A. A passage that lacks proper edition
B. A passage that lacks strong words
C. A passage that lacks grammatical fluency
D. A Passage that lacks inferential claim

17. Which sort of passage can be turned out to be an argument if it is well articulated?
A. Expository passage
B. Conditional statement
C. Statement of belief or opinion
D. Loosely associated statements

18. Which one is true?
A. All sound arguments are valid
B. All valid Arguments are sound
C. An argument having all true statements is always valid
D. An argument having all true statements is always sound

19. Identify the wrongly matched one with regard to forming an argument; which one is it?
A. Premises------ at least one
B. Conclusion ----only one
C. Statement ------at least two
D. Conclusion----at least one

20. If Egypt does not accept the bi-lateral agreement, it will not be good for the horn politics.
If the horn politics is not good, it will lose its foreign direct investment.
Therefore, if Egypt doesn't accept the bi-lateral agreement; the horn will lose its foreign direct investment. This argument is:
A. Categorical
B. Disjunctive
C. Hypothetical
D. Syllogistic

21. The statement which is exactly an argument among the following is:
A. Monkey pox is the fourth pandemic disease appeared in the world since covid 19 has revealed
B. Dire Dawa university has got four different presidents since 1999
C. Higher education institutions have conducted different curriculum reforms since Professor Berhanu Nega has taken the ministerial position.
D. Dire Dawa university presidents deserve blame since no change at all has come to the university.

22. The unique type of indicator word among the following is
A. Therefore
B. As a result
C. Because
D. For this reason

23. A swear eye witness has given a testimony against Yidnekachew's trial in the lawsu
Hence, Yidnekachew might be guilty of crime. This argument is:
A. Prediction
B. Argument from analogy
C. Argument from authority
D. Inductive generalization

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I. Write true, if the statement is correct and false, if it is incorrect!

1. Logic course aimed at making students to critically question the idea of people, gather information, and evaluate the argument of others but not themselves.
2. In logic, argument does exactly mean verbal fight between people.
3. For an argument to be valid, having all true premises is enough.
4. Philosophy is a science that evaluates arguments
5. Axiology studies about the source and nature of human knowledge

Part II Match the following terms with the best description. (1 pt for each)

A	B
6. Cosmological concern	A. The study of beauty
7. Falsity	B. Development of the universe as an orderly system
8. Empiricism	C. knowledge obtained through the senses
9. Rationalism	D. The truth value of a statement
10. Aesthetics	E. Knowledge is based on reason

Part III: Multiple Choice Item: Choose the best answer from the given alternatives and write the letter of your choice on the answer sheet (1pt each).

11. Which one of the following is not the concern of philosophy?
    A. Knowledge
    B. Beauty
    C. Justice
    D. None
12. Which one is not true about philosophy?
    A. Philosophy deals primarily with universal issues than subject matters.
    B. Philosophy is wisdom but not all wisdom are philosophy
    C. Philosophy is the development of critical habits, the continuous search for truth, and the questioning of the apparent
    D. Philosophy is easy to define since it deals about specific subject matter
13. Which one of the following is a serious philosophical question?
    A. Is it dark skin or white skin more affected by melanin?
    B. Does metabolism system exist in animals?
    C. Does God exist?
    D. Does astrazeneca vaccine saved humans from covid 19?
14. The reasoning process expressed by an argument is said to be:
    A. Cogency
    B. Indicator word
    C. Inference
    D. Validity

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

Course title: Logic & Critical thinking3
MID EXAM

Total Value: 30 %
Time allowed: 1hr 10"

CHEATING = DISQUALIFICATION
PUT YOUR ANSWERS ONLY ON THE ANSWER SHEET PROVIDED

ID # _____/_____/_____ STREAM: _____

PART 1. `WRITE TRUE IF THE STATEMENT IS CORRECT AND FALSE IF IT IS INCORRECT (10 PTS.)

1. To philosophize is merely associated with reading and knowing philosophy; with limited skills of argumentation to be advanced.
2. It is possible for an argument to have more than one premise to support its conclusion.
3. Logic is a discipline that studies the principles of right reasoning instead of facts.
4. All sentences are statements that can be asserted or denied.
5. To be a sound deductive argument, an argument needs to be both valid and factually correct.
6. Intuition as a source of human knowledge deals direct anxiety of knowledge that is not derived from conscious reasoning.
7. Having philosophy is a process of reflecting and criticizing our most deeply held conceptions and beliefs.
8. A strong argument is one in which it is possible, but not probable, that the conclusion is false, based on the assumption that the premises are true.
9. Every argument with true premises and false conclusion is invalid and sound.
10. In weak inductive argument the conclusion does not probably follows from the alleged evidence.

PART 2. CHOOSE THE BEST ANSWER FROM THE GIVEN ALTERNATIVE (11 PTS.)

1. "Mount Everest is taller than Mount Kilimanjaro. Kilimanjaro is taller than Mount Ras Dejen. Therefore, Everest is taller than Ras Dejen." This Argument is
   A. Deductive, Valid, and Sound
   B. Deductive, valid, sound
   C. Inductive, Strong, and cogent
   D. Deductive, weak, Uncogent
2. Which of the following sources of human knowledge involves gaining knowledge through objective observation and the experiences of our senses?
   A. Revelation
   B. Rationalism
   C. Authority
   D. Empiricism
3. A strong inductive argument with true premises and probably true conclusion is?
   A. unsound
   B. cogent
   C. sound
   D. uncogent
4. Of the followings, one is not a typical premise indicator word/phrase
   A. Because
   B. For the reason that
   C. Given that
   D. Accordingly
5. The Ethiopian Athlete Solomon Barega won men's 5000 meters category at the Paris Diamond League 2022. He finished the distance in 12: 56: 19 hrs. Burundian athlete, Thierry Ndikumwenayo, finished second in 13: 05: 24 hrs. Muktar Edris, Ethiopian Athlete and 2017 and 2019 world champion in the distance, finished third in 13: 14: 40 hrs. What kind of passage can this expression fit most?
   A. expository passage
   B. simple non-inferential passage
   C. illustrative passage
   D. explanatory passage
6. Which of the following is correct statement about Categorical syllogism?
   A. An argument formed by conditional statements
   B. it begins with "all", "no", "some"
   C. It is inductive form of argument based on syllogism
   D. it is an "either … or" statement
7. Which one of the following is not a form/style of a deductive argument?
   A. Over the top of this building, there is a CBE flag. So, in the building, CBE services are being provided
   B. This class has a height of 20cm, its width is 7cm and its length is 7cm. Therefore, the total area of the class is $980cm^2$
   C. The government of Ethiopia has been adopting the system of Parliamentary. This implies that the government recognizes division of power between federal and regional governments.
   D. Since Nazrawit is the mother of Eden and the sister of Nati, it follows that Nati is the uncle of Eden

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4. Identify the correctly matched alternative about non-argumentative passages
   A. Expository— Passages-consists of statements intended to shed light on some phenomenon
   B. Conditional Statements— a form of expression that is intended to put someone on guard against a danger.
   C. Reports—sets of statements that clarify some subjects/matter by giving example
   D. An Explanation—begin with topic sentences or fundamental points

9. Which one of the following is not a form/style of an inductive argument?
   A. An argument from syllogism
   B. Argument based on prediction
   C. An argument from authority
   D. Argument from analogy

10. In logic, the term "inference" refers to
   A. A judgment decided based on subjective claims and emotional grounds
   B. The nature of human mind and its ability of thinking
   C. A forms of thinking such as imagination, intuition, or opinions
   D. The process of thought that one enables to arrive at the final assertion

11. Freedom of press is one of the most important constitutionally guaranteed freedoms. Without it, other freedoms would be immediately threatened. Furthermore, it provides the fulcrum for the development of new freedoms. What is the claim based on evidences that proves it. conclusion of this argument?
   A. it provides the fulcrum for the development of new freedoms.
   B. Freedom of press is one of the most important constitutionally guaranteed freedoms.
   C. Without it, other freedoms would be immediately threatened
   D. It is a passage that has no inferential claim

PART 3. FILL THE BLANK SPACE (1.5PTS TOTAL)

1. A type of argument that rest on necessary reasoning are ..... while..... are those that rest on probabilistic reasoning.
2. Does man acquire knowledge by a process of reason—or by sudden revelation from a supernatural power? Is reason a faculty that identifies and integrates the material provided by man's senses—or is it fed by innate ideas, implanted in man's mind before he was born? Is reason competent to perceive reality—or does man possess some other cognitive faculty which is superior to reason? Can man achieve certainty—or is he doomed to perpetual doubt? These questions are the questions of.....?

PART 4. WRITE SHORT ANSWER (8PTS)

w there is an argument, first identify whether the argument is deductive or inductive and explain the form e argument. Then determine either it is valid/ invalid & sound/unsound or strong/weak & cogent/uncogen

s each)

Dr. Elsa is a heart surgeon in WKU Teaching Hospital. She says that many of students' heart failures are caused by anxieties. Therefore, in view of the expertise of Dr. Elsa, anxiety is the major cause of heart failure.

All Elephants live in the sea and Some Tigers are Elephants. Therefore, some Tigers live in the sea.

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Wolkite University
Department of Civics and Ethical Studies
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W S U, COLLEGE OF SOCIAL SCIENCES & HUMANITIES, DEPARTMENT OF CIVICS AND ETHICAL STUDIES

CRITICAL THINKING MID TERM EXAM FOR FRESHMAN STUDENTS =30%

TIME ALLOTTED 1:00 HR.

NAME-----IDNO.-----SECTION-----

GENERAL DIRECTIONS: THIS EXAM CONTAINS FOUR ITEMS: TRUE/FALSE, MATCHING, MULTIPLE CHOICE AND SHORT ANSWER.

ATTEMPT ALL QUESTIONS ACCORDING TO THEIR INSTRUCTIONS AND **WRITE ALL ANSWERS ON THE ANSWER SHEET PROVIDED.**

DO NOT CIRCLE OR TICK ANY ANSWER ON THE EXAM PAPER

Part I: write 'True' if the statement is correct and 'False' if it is incorrect (1 pt each) 3%

1. Wonder is the feeling of a philosopher, and philosophy begins in wonder
2. Studying philosophy helps us to deal with the certainty of living.
3. The ontological aspect of metaphysics deals with whether existence have any purpose or not.

Part II: Match the issue in column 'A' with their respective statements of column 'B' (1 pt each) 5%

Column A	Column B
1. Agnosticism	A. The physical and psychological needs that we must satisfy in order to maintain ourselves as human beings
2. Maintenance needs	B. The position claiming that people cannot acquire reliable knowledge and that any search for truth is in vain.
3. Meta-ethical studies	C. It associated with self-fulfillment, creativity, self-expression and realization of one's potential
4. Actualizing needs	D. Moral Intuitionism, Moral Emotivism, Moral Prescriptivism, Moral Nihilism
5. Skepticism	E. It is a profession of ignorance in reference to the existence or nonexistence of God.
	F. Teleological, Deontological, and Virtue Ethics

PART III: Choose the best answer among the given alternatives and write it on the provided answer sheet. (1 pt each) 18%

1. The difference between argument and non-arguments is that

A. While in the former one attempts to prove something but in the latter one does not. B. While the former lacks an inferential claim but the latter does not. C. there is at least a statement which provides reasons in an argument but not in non-argument. D. All but B.

2. *Water is a good solvent for many different substances, and it picks them up as it moves through the environment. Thus, rain water flowing over and under the ground dissolves minerals such as limestone.*

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Which one is correct about the passage? A. It an illustration B. "thus" is conclusion indicator in the passage C. it is an argument D. All

3. Which one is correct about the following argument? *This cash register drawer contains over 100 coins. Three coins selected at random were found to have dates earlier than 1945. Therefore, probably all of the coins in the drawer have dates earlier than 1945.*

A. If you assume the premises true, the conclusion is probably true. B. If you assume the premises true, the conclusion is not probably true. C. If you assume the premises true, the conclusion is true. D. If you assume the premises true, the conclusion is improbably false.

4. Some persons who believe in the Bible are not creationists. No creationists are evolutionists. Therefore, A. Some persons who believe in the Bible are not evolutionists. B. Some evolutionists are not persons who believe in the Bible. C. All creationists are not evolutionists. D. No evolutionists are creationists.

5. Which one is correct about the above argument in question 4? A. It is a valid argument B. It is a deductive argument C. It is categorical syllogism D. All

6. Identify an incorrect statement. A. A cogent argument is inductively weak. B. A sound argument is always valid. C. A valid argument may have a false premise and a false conclusion. D. All

7. Of the following, which one is incorrect? A. In explanation, the explanans is the statement that does the explaining. B. Any passage that contains an argument must contain a claim that something is supported by reasons. C. Passages that contain indicator words such as "thus," "since," and "because" are always arguments. D. None.

8. In logic, one never speaks of an argument as being **A**. valid/invalid **B**. strong/weak **C**. true/false **D**. All

9. Any deductive argument having true premises and false conclusion is always

A. weak B. invalid C. valid D. strong

10. An argument that proceeds from the knowledge of selected sample to some claim about the whole group is A. Deduction B. Inductive generalization C. Induction D. B and C

11. Cholesterol is endogenous with humans. Therefore, it is manufactured inside the human body. The argument is A. inductive B. deductive C. argument from definition D. All but A.

12. Which one is incorrect? A. Deductive arguments always proceeds from the general to the particular B. An argument that proceeds from knowledge of a cause to knowledge of an effect is inductive. C. The form of argumentation the arguer uses may allow one to determine whether an argument is inductive or deductive. D. A geometrical proof is an example of a deductive argument.

13. Among the following, which one is the benefit obtained by studying logic? A. It helps us to make better personal decisions. B. It assists us to use rational criteria in all aspects of our lives. C. Students could get assistance from the course to assimilate the diversity of information. D. All

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14. Of the following statements, which one is correct? A. In invalid arguments, both the premises and the conclusion may be true. B. The validity or invalidity of an inductive argument is determined by the argument's form. C. A cogent argument is valid and has all true premises. D. All

15. When a machine breaks down, mechanics dismantle it and replace the broken parts. Similarly, when the human body breaks down, it makes good sense to replace diseased organs with new ones – either from a donor or artificially manufactured. All are correct about the argument but

A. It is a deductive argument in which the conclusion is necessarily followed from the premise.

B. If the premise is assumed true, the conclusion is likely true. C. It is an argument from analogy.

D. It an inductive argument.

16. "To every existing thing God wills some good. Hence, since to love anything is nothing else than to will good to that thing, it is manifest that God loves everything that exists." Which one is the conclusion of the argument? A. To every existing thing God wills some good. B. It is manifest that God loves everything that exists. C. To love anything is nothing else than to will good to that thing. D. None

17. "Freedom of the press is the most important of our constitutionally guaranteed freedoms. Without it, our other freedoms would be immediately threatened. Furthermore, it provides the fulcrum for the advancement of new freedoms." All are correct about the above assertion except

A. It is an argument. B. It is an expository passage. C. It is a non-argument. D. None

18. The science that deals with the philosophical study of moral principles, values, codes, and rules, which may be used as standards for determining what kind of human conduct/action is said to be good or bad.

A. Social philosophy B. Moral Philosophy C. Logic D. Epistemology

Part IV: Short answer Item 4%

1. For the following argument a) Write the conclusion b) Write type of argument & syllogism (2%)

No insects that eat mosquitoes are insects that should be killed. All dragonflies are insects that eat mosquitoes.

2. Construct a valid hypothetical syllogism using your own statements (2%)

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Jimma University
College of Law and Governance
Department of Civics and Ethics Studies

Logic and Critical Thinking (LoCT 1011) Mid-exam for freshman Students
2021/22 A/Y

Time allowed: 60 Minutes
Total weight: 30%

General Directions:

- *Make sure that your booklet consists of 25 questions: 3 questions True/False and 22 questions multiple choice items*
- *Attempt all questions critically;*
- *Write your answers only on the space provided*

Part I. True/False Items

1. In an inductively strong argument(s), the premises try to make the conclusion unlikely to be true.
2. Searching for meaning and rational basis for moral principles and judgments is the business of normative ethics.
3. An inductive argument becomes weak and uncogent when it has form errors.

Part II: Choose the best possible answer among the alternatives provided

4. The logical form of an argument could suffice determining:
   A. Validity B. Strength C. Soundness D. Cogency
5. All **but** one is correct about philosophy?
   A. To wonder is just enough by itself to do philosophy.
   B. Asking questions of any sort by itself can be considered as philosophical task.
   C. Philosophy is nothing than love of wisdom.
   D. Philosophy is a lifetime task that someone has do.
   E. None of the above.
6. Which one of the following is **incorrect** about valid arguments?
   A. They are truth-preserving.
   B. Depend on the logical form of an argument.
   C. It is inconsistent to accept the premises and deny the conclusion.
   D. Logic instead of truth makes what it is.
   E. None of the above.
7. **Primarily**, Philosophy is about:
   A. Critically criticising unfounded & deeply rooted (mis)conceptions and beliefs of others.
   B. Being someone who just continuously ask critical questions.
   C. Rationally overcoming other's ignorance.
   D. Engaging in a communal task of liberating the 'thinking being'
   E. All of the above.
8. All of the following statements are **incorrect except one**?
   A. No need for conclusion indicator words when conclusion precedes th
   B. There is no any argumentation in the absence of premise & conclu
   C. In explicit inferential claim, neither premise(s) nor conclusion indic

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D. Non-argumentative passage always lacks premise(s) and conclusion.

9. One the following questions (most probably) could be entertained under meta aspect of metaphysical question, which one?
   A. How does the universe originate?
   B. Is there anything called "supernatural being?"
   C. Do human beings have free will?
   D. What do being looks like?
10. Issues to be dealt under applied ethics shouldn't be, necessarily
   A. Moral issues B. Controversial C. Subjective D. Universal
11. Which one is **ODD**?
   A. All arguments are inferential passages, necessarily.
   B. All statements have objective truth value, necessarily.
   C. All arguments have conclusion and premise(s).
   D. The role of a conclusion in a given argument is to clarify the premise(s).
   E. None of the above.
12. "Human beings are mortal. Taxi drivers are human beings. So, all taxi drivers are immortal." This argument is _____
   A. Valid, unsound
   B. Invalid, unsound
   C. Invalid, sound
   D. Valid, sound
13. "...However, not all passages that contain two or more statements are argumentative..." Which one is correct about this passage?
   A. The word "however" is indicating a premise.
   B. There are 3 statements in the passage.
   C. The word "but" is conclusion indicator.
   D. The passage is not inferential one.
   E. All of the above.
14. In an inductively weak argument:
   A. All of the premises are true, whether or not the conclusion is true.
   B. The premises try to make the conclusion more unlikely to be true than false.
   C. Either the premises are probably true or the conclusion is certainly false.
   D. The premises and conclusion are all true.
   E. None of the above.
15. An argument, for the purposes of logic, is made up of:
   A. Unconnected statements.
   B. A set of statements that one of the statements does actually support the other.
   C. A set of statements that is supposed to support another statement.
   D. True statements.
   E. A set of statements that may or may not have inferential claim.
16. All of the following are philosophical questions but one is different from the others
   A. How did the universe originate and develop?
   B. What are the stuff matters that made the universe?
   C. What are the attributes of God/Allah?
   D. Does existence have any purpose?

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17. "Hellen is Abera's sister and Almaz's mother. Thus, Abera is Almaz's uncle." This passage could be a an example for:
    A. Scientific argument
    B. Analytical argument
    C. Mathematical argument
    D. Non-inferential passage.
18. Philosophy does not emphasize on:
    A. Pose questions that can be resolved not by reasoning but by faith or personal belief.
    B. Show why the beliefs adopted by most people in a culture are preferable since more people understand those beliefs and see no reason to raise objections to them.
    C. Articulate what we mean by our beliefs and to justify our beliefs by majority opinion.
    D. Develop a set of ideas about the nature of society that can be used to support a religious conceptual framework.
    E. None of the above.
    F. All of the above
19. Which one is **incorrect** about logical thought process?
    A. It helps us to understand and identify the common logical errors in reasoning.
    B. To reason is precisely to produce an argument.
    C. Reason involves induction, deduction, learning and forethought.
    D. Logic enables learners to develop instinctual reflection.
20. "Some X are not Y. No X are Z. Thus, Some Y are Z." This passage is:
    A. Valid, sound
    B. Non-inferential one.
    C. Valid, unsound.
    D. Strong, cogent.
21. One of the following is strongly dependent in truth of statements, which one?
    A. Validity B. Strength C. Inference D. Soundness
22. "Either Europe or Africa is neo-colonialists. Africans are not neo-colonialist. So, Europeans are neo-colonialist." Which statement is **correct** about this argument?
    A. It is deductive argument because it has disjunctive form.
    B. It is valid and unsound deductive argument.
    C. It is deductive because it involves analogues expressions.
    D. The first statement is the conclusion part.
23. Philosophy is the mother of all sciences because of
    A. The pivotal thing in philosophy is asking an appropriate questions.
    B. The first philosopher were scientists.
    C. Philosophy is a versatile discipline.
    D. A and C are correct answers
    E. All are correct answers
24. The most vital thing that decides a passage as part of an argument is:
    A. Form or structure
    B. Claim
    C. Objective Truth Value
    D. Indicator words
25. Which one of the following is **correct**?
    A. Every uncogent argument has false premise.
    B. Valid arguments having true premises may not be sound.
    C. Every unsound argument has at least one false premise.
    D. If all of the premises of an argument are true, then it is sound.
    E. If the conclusion of a valid argument is false, then the premises can be true or
    F. None of the above.

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University of Gondar
College of Social Science and Humanities
Department of Civics and Ethical Studies
Logic and Critical Thinking (LoCT 1011) Mid-Exam

Academic Year: 2021/2022 AY | Time allowed: 55 Minutes | Date: 23 June 2022
Target Group: First-Year Students | Amount: 30%

I. Write true if the statement is correct and false if the statement is incorrect (1 point for each)

1. The argument from science is always deductive.
2. Drinking a coca-cola is a necessary condition for quenching one's thirst.
3. Logic is the instrument of philosophy while an experiment is the method of science.
4. The critical task of philosophy is providing a defensive answer to certain questions/problems.
5. Philosophy and religion vary in that the earlier analyzes life's issues on a logical basis, whilst the latter examines life's questions based on a supernatural deity.

II. Choose the correct answer among the alternatives given (1.5 points for each)

1. Haddis Alemayehu is a well-known Ethiopian author and he wrote *Fikereskemekaber* [ፍቅር እስከ መቃብር]. As a consequence, *Fikereskemekaber* was authored by a well-known Ethiopian author. Which one is correct about the above argument?
   A. It is deductive, valid, and sound.
   B. It is an inductive, strong, and cognet.
   C. It is deductive, valid, and unsound.
   D. It is inductive, strong, and uncognet.
2. Of the following metaphysical speculation, one clearly emphasizes human nature including morality, free will, and soul. Which one is it?
   A. Cosmological aspect.
   B. Anthropological aspect.
   C. Ontological aspect.
   D. Theological aspect.
3. The great majority of Asian countries are members of the United Nations. As a result, presumably, the next Asian state to be founded will be a member of the United Nations. All are incorrect about the above argument except:-
   A. Inductive, strong, and uncognet argument.
   B. Deductive, valid, and sound argument.
   C. Deductive, valid, and unsound argument.
   D. Inductive, strong, and cognet argument.
4. Which one of the following alternatives is correct?
   A. For argument based on sign proceeds from the knowledge of a certain sign to the thing or situation that the sign symbolizes, we can have a necessary relation between our premises and conclusion.
   B. Since argument from authority is based on witness account or some presumed authority and since our conclusion cannot go beyond our premise/s, we can have a deductive argument.
   C. The reason why we best treat categorical syllogism as a deductive argument is, that if it is in its correct structure, our conclusion is implicitly or explicitly contained in our premise.
   D. Since statistics is a numerical or mathematical expression, we can formulate a deductive argument.
5. We should not blame Western media for exacerbating Ethiopia's predicament. Media outlets, like meteorologists, report the facts. We don't blame meteorologists for projecting bad weather. The form of argumentation of the above argument is:
   A. Analogy.
   B. Prediction.
   C. Inductive generalization.
   D. Causal inference.
6. Which one of the following arguments is a valid argument?
   A. All birds are reptiles. All cats are reptiles. Therefore, all cats are birds.
   B. All oranges are testy. Apple is testy. Therefore, an apple is an orange.

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C. Either Biruk or Dawit wants to date Helen. Dawit doesn't want to date Helen. So, Biruk wants to date Helen.
D. All soft drinks are beverages. Fanta is a beverage. Therefore, Fanta is a soft drink.

7. Which one of the following branches of philosophy is a quest about the existence of God?
   A. Epistemology. C. Axiology.
   B. Metaphysics. D. Aesthetic.
8. Inductive arguments are often characterized by:
   A. Open to degree variation or probable relationship between the premise and conclusion.
   B. Its values might be designated as sound and unsound.
   C. Its validity depends on the structure (form) of the argument.
   D. Strict inferential relationship between their premises and conclusion.
9. Viruses are cellular entities too small to be seen with a light microscope. They are composed of nucleic acid and a few proteins. Viruses replicate themselves and display other properties of living organisms only when they have invaded living cells. Indeed, some viruses can be crystallized and stored in a container on a shelf for years, but they retain the capacity to invade cells and cause disease. Which one is **correct** about the above passage?
   A. It is a report and its topic sentence is: Viruses are cellular entities.....light microscope.
   B. It is an argument in which the conclusion is: Viruses are cellular entities.....light microscope.
   C. It is an explanation and its explanandum is: Viruses replicate themselves..... invaded living cells.
   D. It is a loosely associated statement as it lacks inferential relations among the statements.
10. One of the following is an aspect of epistemology that claimed religious books and prophets are the sources of knowledge?
    A. Rationalism. C. Intuition.
    B. Revelation. D. Authority.
11. What can be said about the following argument? "If the Ethiopian Constitution implies that each person has a right to self-determination concerning matters of a person's physical body, then abortion should be legal. The Ethiopian Constitution does imply this. Therefore, abortion should be legal."
    A. Since the argument is strong, it can be acceptable to everybody.
    B. Since the argument is valid it has to be accepted regardless of our belief system.
    C. The argument is valid by its merit of correct reasoning.
    D. It is both valid & invalid as we aren't sure whether self-determination should be given to a woman alone.

III. **Determine whether the following arguments are deductive or inductive and evaluate them based on their attributes by following the necessary steps of a factual and inferential claim (9 points)**

1. If global warming continues, then the temperature of the world's oceans will rise. If marine species and ecosystems are affected then the temperature of the world's ocean will rise. Therefore, if global warming continues, then marine species and ecosystems will be affected **(3 points)**.
2. As Sky Sport noted, both Eritrea and Ethiopia are economically giant nations of the world. In the past, in these two countries, soccer was the best game. But recently thanks to their Football Federations, football has become not only the super game but also the power which gains massive fun, and billionaires who are willing to sponsor clubs and national teams. From this, it must be true that football in Eritrea and Ethiopia is the engine of enhancing friendship and a spirit of support **(3 points)**.
3. Russia attacked Ukraine in February 2022. Vladimir Putin was Russia's president in February 2022. As a result, Russia and Ukraine were at war under Vladimir Putin's presidency **(3 points)**.

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Time allotted 25 minute

Arbaminch University

College of Social Science and Humanities

Department of Civics and Ethical Studies

Test one for critical thinking (10%)

Part I: write 'true' if the statement is correct and 'false' if the statement is incorrect (1 pts. each)

1. When authoritative knowledge is built upon a foundation of incorrect assumptions, such knowledge will surely distorted T
2. Since it deal with different issues we can define philosophy in terms of specific subject matter F
3. Having philosophy is sufficient condition for doing philosophy F

art II: Choose the correct answer from the given alternatives and put the letter of your oice on blank space provided (1pt each).

1. Which branches of ethics deal with the meaning and origin of ethical issues?
   A. Meta ethics
   B. Applied ethics
   C. Normative ethics
   D. Deontological ethics
   E. Teleological ethics
2. Which one of the following is the question of cosmology?
   A. What it means for anything to exist means?
   B. How the universe is originated?
   C. What is the moral status of human beings
   D. Is reality exist in the physical world or spiritual world
   E. None
3. Among the following fields of philosophy which one deals with formulating the right principles of reasoning and developing scientific methods for evaluating the validity and soundness of an arguments?
   A. Metaphysics
   B. Epistemology
   C. Axiology
   D. Logic
   E. Aesthetics

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Time allotted 25 minute

4. Among the following alternatives which one is not the question of epistemology?
   A. What is truth, and how can we know a statement is true?
   B. How can we be sure that what we perceive through our senses is correct?
   C. What is the relationship and difference between faith and reason?
   D. What is human being? A thinking mind? A perishable body?
   E. What does it mean to know?

5. Identify the wrong statement about the basic features of philosophy and philosophers?
   A. To philosophize is merely to read and know philosophy and the thought of philosopher
   B. A genuine philosophical attitude is searching the truth, open-minded, tolerant and willing to look at all sides of an issue without prejudice
   C. Philosophers are reflective, critical and they take a second look at the material presented by common sense
   D. Philosophy is a set of views and beliefs about life and the universe
   E. All except B

6. Understanding or knowing about the world through observation or real event is?
   A. Intuition
   B. Revelation
   C. Empiricism
   D. Rationalism
   E. None

7. Identify the correct correlation
   A. Anthropology—nature of human beings
   B. Cosmology—origin of universe
   C. Theology---nature of being
   D. Ontology –nature of God
   E. A and B

Name _____ ID _____ Section _____

Answer sheet

True/ false part 3 points

1. _____
2. _____
3. _____

Multiple choice 5 points

1. _____
2. _____
3. _____
4. _____
5. _____

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Madda Walabu University
College of [redacted] and Humanities
Department of Civics and Ethical Studies
Logic and Critical Thinking Mid-exam for Regular Program, 2014 E.C

Maximum value: 30%
Time allowed: 50'

Name [redacted] ID No [redacted] eam: [redacted] Section: 10

DIRE[redacted]ur answer ONLY [redacted]ble available on the bottom of page two!

I. Write true if the statement is correct and false if the statement is incorrect(1 point each)

1. Normative ethics is the reasoned search for how ethical statements can be verified.
2. Philosophy may serve as a tool to critically examine our life and the world we live in.
3. Speculative philosophy give due emphasis on searching for order and wholeness while analytical philosophy give due emphasis on the meaning of words.
4. To provide philosophy a unanimously agreed upon definition is difficult.
5. The problem of essence and existence which is among the basic issues in metaphysics sets philosophers on opposite side over whether essence precedes existence or existence precedes essence.

II. Match the following forms of deductive and inductive argumentations listed under column "A" with their definitions or emphasis listed under column "B" (1.5 point each)

"A"	"B"
1. An inductive generalization	A. It is formed in the form of cause to effect or effect to cause.
2. A categorical syllogism	B. It is formed when someone bases his/her conclusion on some particular instances or samples.
3. Argument based on causation	C. It is formed with the statements that are beginning through an "either…or …"
4. An argument from authority	D. It is formed when each of its statements usually begin with words like all, no and some.
5. Prediction	E. It is formed when somebody concludes about the future based on what was or is happening before as well as now.
6. A disjunctive syllogism	F. It is formed with some statements that have arithmetic and geometric backgrounds.
7. Mathematical argumentations	G. It is formed when someone argues based on the witness of another person who lacks the knowledge as well as ability.
	H. It is a form of argument which is basically accompanied by an "If…then…"

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III. Choose the correct answer among the following given alternatives (1.5 point each)

1. A metaphysical question that raises the most basic inquiry about God is _____?
   A. Cosmological aspect
   B. Anthropological aspect
   C. Theological aspect
   D. Ontological aspect
2. Which one of the following statement is wrong?
   A. Validity is determined by the relationship between the premise and the conclusion.
   B. Deductive arguments involve probabilistic reasoning while inductive arguments involve necessary reasoning.
   C. A deductive argument can have false premise and true conclusion
   D. Except 'B'

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3. Which of the following alternative is **odd** concerning basic features of philosophy?
   A. It is irrational attempt to look at the world as a whole
   B. It is a process of reflecting and criticizing our conceptions
   C. It is a set of views or beliefs about life and the universe
   D. It is the logical analysis of language
4. Among the most contentious view that circulates in Ethiopian polities is the one that "whether the Unitary or Federal State structure is best for its diversified culture and population". This view is studied by_____
   A. Metaphysics
   B. Axiology
   C. Epistemology
   D. Logic

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5. All of the following alternatives are indicators of premise **except** one. Which one is it?
   A. in as much as
   B. consequently
   C. may be inferred from
   D. given that
6. What do we mean by "philosophy is an activity"?
   A. We learn by doing it
   B. It is not a passive body of knowledge
   C. We learn it through criticizing, reading and reflecting upon different philosophical positions
   D. All of the above
7. Which one of the following alternative is **not** studied by Aesthetics?
   A. Music
   B. A beautiful landscape
   C. Mona Lisa
   D. None of the above
8. A non-argumentative passage that consists of statements or group of statements intended to shed light on some phenomenon that is usually accepted as a matter of fact is called_____?
   A. Illustration
   B. Elaborations
   C. Explanation
   D. Pieces of advice
9. *All human beings are political animal. Thomas Sankara is human being. It follows that Thomas Sankara is political animal.* This argument is ____?
   A. Deductive, invalid and unsound
   B. Deductive, valid and sound
   C. Inductive, strong and cogent
   D. Inductive, weak and uncogent
10. *All previous Ethiopian prime ministers were men. So, it is probably that the next Ethiopian prime minister will be man.* This argument is ____?
    A. Inductive and strong
    B. Inductive and weak
    C. Deductive and valid
    D. Deductive and invalid

Answer

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

c and critical thirking Time allowed 50 minutes mid-exam I (30%)

ID: 3243 Section 7

Attention! Write only your ID number do not write your name. Moreover, any act of dishonesty will not be tolerated.

And write your answer only on the colored space provided check the instruction

I. WRITE 'TRUE' IF THE STATEMENT IS CORRECT AND 'FALSE' IF IT IS WRONG (1.5 POINT EACH)

The purpose of the premise or premises is to set forth the reasons or evidence given in support of the conclusion If the premises are claimed to offer conclusive evidence for the truth of the conclusion, then the argument is termed inductive.

II. Choose the best answer from the given alternatives (1.5 points each)

Based on the argument below, try to answer the two consecutive questions

All spiders are insects.
All insects have eight legs
Therefore, all spiders have eight legs

3. Which one is **false** regarding the above argument?
A. It is an invalid argument B. It is a valid deductive argument
C. It is unsound argument D. it has a necessary inferential link

4. Which one is **true** about the above argument?
A. It is an invalid argument B. it has a probable inferential link
C. It is a sound argument D. It is unsound

Consider the following argument and try to answer the subsequent two questions

All or nearly all lemons that have been tasted so far were sour. So, the next lemon you taste will be sour.

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5. Which one is **false** regarding the above argument?
A. It is a strong inductive argument B. It is a cogent argument
C. It is a weak argument D. It has probable inferential link

6. Which one is **true** about the above argument?
A. It is a weak argument B. It is a cogent argument
C. It is uncogent D. It has necessary inferential link

7. Ethiopia has had a trade deficit every year over the last few decades. So, Ethiopia will probably continue to have a trade deficit for at least the next few years. What is the category of this argument?
A. Valid Deductive Argument B. Strong inductive argument
C. Sound deductive argument D. Weak Inductive Argument

8. Either experimentation on live animals should be banned or experimentation on humans should be permitted (e.g., the terminally ill). Experimentation on humans should not be permitted. So, Experimentation on live animals should be banned. What is the category of this reasoning?
A. Deduction: Hypothetical syllogism C. Deduction: Disjunctive syllogism
B. Induction: An argument from prediction D. Induction: An argument from authority

9. It is true that light travels at a rate of 186,000 miles per second, and it is also true that the sun is more than 93 million miles distant from the earth. Thus, we can conclude with certainty that it takes more than eight minutes for the sun's light to reach the earth. What is the category of this argument?
A. Valid Deductive Argument B. Invalid Deductive Argument
C. strong Inductive Argument D. Weak Inductive Argument

10. God is omniscient. It follows that He knows everything. What is the category of this argument?
A. An argument from analogy. B. An argument from signs.
C. An argument from definition. D. An argument from authority

11. A dolphin is similar to a human being. It has lungs rather than gills. It is warm-blooded rather than cold-blooded. And dolphin nurse their young with milk. Dolphins also have developed a number of similar personality traits to humans, such as curiosity and sociability. Our genomes or chromosome makeups and dolphins are also found surprisingly alike - virtually the same. Hence, it's likely that both are susceptible to many of the same diseases. What is the category of this argument?
A. An argument from authority B. An argument from definition.
C. An argument from signs. D. An argument from analogy.

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E 12. Which one of the following is the study area of Philosophy except_____?
A. Epistemology B. Metaphysics C. Axiology D. Ethics E. None

A 13. My doctor told me that condoms have an annual failure rate of 2 to 3 percent, even if they are used consistently and correctly. So, I should not assume that condoms will provide complete protection from the risk of pregnancy or sexually transmitted diseases. What is the category of this reasoning?
A. An argument from authority B. An argument from definition.
C. An argument from signs. D. An argument from analogy.

D 14. In the following reasoning "cigarette smoking is a serious health hazard. Statistical studies show that cigarette smokers are not only at much greater risk for contracting lung cancer but also have higher incidences of emphysema and heart disease." The statement " cigarette smoking is a serious health hazard" is called the:
A. premise B. Antecedent C. Conclusion D. Explanandum.

A 15. From the following passages, identify the typical kinds of non-argument.
A. Many of the world's greatest philosophers were bachelors. For instance, Descartes, Locke, Hume, and Kant were all unmarried.
B. Wars occur because humans desire to control other humans.
C. War is wrong because it involves killing innocent people and that is always wrong.
D. All except C

D 16. 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. Philosophy is a rational attempt to look at the world as a whole.
C. Philosophy is the logical analysis of language and the clarification of [illegible]ing of words and concepts.
D. None

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PART II: CHOOSE ONE OF THE FOLLOWING QUESTION AND WRITE [illegible] ESSAY (6 POINT) [PLEASE MAKE YOUR HANDWRITING READABLE!]

17. Briefly explain and reflect on the usefulness/importance of the study of philosophy, Logic, and critical thinking. In the light of your answer, consider the value of philosophy.
18. What is the difference between "having philosophy" and "doing philosophy"?

17. Examined your life -
- find the truth and existence
- intellectual habit
- critical and creativity improve

18 having Philosophy is not sufficient for doing Philosophy having Philosophy. it is a set view and belief about life doing Philosophy is reflecting and criticizing our most held deeply acceptation and belief

[Answer key]

[illegible]									
[illegible]									
[illegible]									
[illegible]									
[illegible]									

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WACHEMO UNIVERSITY MAIN AND DURAME CAMPUS DEPARTMENT OF CIVICS AND ETHICS STUDIES

LOGIC AND CRITICAL THINKING (LoCT1011) MID EXAM FOR FIRST YEAR STUDENTS

Academic Year -2014 E.C. Time Allowed -40Minutes Total Weight - 20%

Part I: Read the Following Statements carefully and Write 'True' if the statement is correct and 'False' if the statement is incorrect.(5%)

1. Rationalism is a theory that argues sense of observation is the source of knowledge
2. A deductive argument having true premises and false conclusion can be both valid and invalid.
3. Cogency and uncogency can be determined before determining weakness and strength of the argument.
4. Axiology is a branch of philosophy that studies the ultimate nature of reality or existence.
5. All sound deductive arguments are necessarily valid.

Part II: Choose the best Answer from the Given Alternatives.(10%)

1. Which of the following is **incorrect** statement?
   A. If the premises necessarily support the conclusion, such argument is deductive
   B. A single conditional statement is an argument
   C. A passages that contain indicator words may or may not be an argument
   D. All statements are sentences but not all sentences are statements
2. In which of the following combinations valid deductive argument **does not** occur?
   A. If the premise(s) is/are presumed true and then the conclusion is false
   B. If the premise(s) is/are presumed true and then the conclusion is true
   C. If the premise(s) is/are presumed false and then the conclusion is true
   D. If the premise(s) is/are presumed false and then the conclusion is false
3. Pertaining philosophy and logic which one of the following is **false** statement?
   A. Philosophers use logic to construct their own argument.
   B. Philosophy and logic deal about far apart concepts and views
   C. It is not possible to be a philosopher without having the concept of logic
   D. As compared to logic, philosophy is more comprehensive
4. Which one of the following is **false** about philosophy
   A. Philosophy deals with issues that are general in nature, hence, has no one clear cut definition.
   B. Philosopher is a great philosopher, not because he mastered philosophy, but because he did it.
   C. The two sense of philosophy, ''having'' and ''doing'' can be treated independently of each other.
   D. Philosophy is a rational and critical enterprise that tries to formulate and answers fundamental questions through an intensive application of reason.
5. _____ presupposes a transcendent supernatural reality that breaks in the natural order.
   A. Authority B. Reason C. Revelation D. Empiricism

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6. Which one of the following argument is included under the best deductive argument?
   A. Sound argument B. Valid argument C. Invalid argument D. Unsound argument
7. Ignorance regarding existence or non-existence of God is:
   A. Agnosticism B. Criticism C. Skepticism D. Consequentialism
8. Almaz and Mamo are both from Gonder University taking psychology and wearing flip flops. I know Mamo is a vegetarian. Thus, Almaz is probably a vegetarian. This type of argument is
   A. Argument from Definition C. Argument from Analogy
   B. Argument based on prediction D. Hypothetical Syllogism
9. Ethiopia experienced Drought in Every 10 years. Probably, Ethiopia will experience Drought in the next 10 years. This argument is
   A. Argument based on prediction C. Argument based on Statistics
   B. Inductive Generalization D. Causal inference
10. Once a day their Logic instructor requested students named Helen and Hana to provide example for deductive and inductive argument respectively by using form of argumentation. Hence, the answer of Helen and Hana is **correct** if and only if:
    A. Hana contends that almost all Ethiopian are humansitisc.Abebe is an Ethiopian. Thus, Abebe is humanistic.
    B. Helen contends that all doctors are illness healers. Asfaw is a doctor. So, Asfaw is illness healers.
    C. Helen said that Aster has one of the most brilliant minds in the country. So, she is very intelligent women in the country.
    D. Helen said that if I get scholarship opportunities outside Ethiopia, then I will not hastate to attend my class.

Part III: Short Answer (5%)

1. ***Explain the difference and similarities between cogent and Sound arguments.(3%)***

2. ***Write at least two posed under cosmological and ontological aspects.(2%)***

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CRITICAL THINKING TEST #1 25%

General Direction:

(1) Write All Answers on the Provided Answer Sheet in the Shaded Spaces

(2) Do Not Circle or Tick Any Answer on the Exam Paper

(3) Switch off Your Mobile Phone

PART I: Choose the best answer among the alternatives given and write it on the answer sheet!

1. What the world was made of? Identify the facet which primarily belongs to the question.
   A. Ontology B. Cosmology C. Anthropology D. Theology
2. All are true about philosophy, except A. To understand philosophy is to do philosophy
   B. Philosophical conclusions are objective and eternal C. Philosophical puzzles are perennial D. Philosophy lacks distinct subject matter E. None
3. Identify a true statement about rationalism in the theory of knowledge?
   A. it is obtained from sense experience C. it is acquired through the intellect
   B. it is acquired from observation D. it is obtained from perception
4. How do we know the nature of the ultimate reality? The question refers to.
   A. Ontological aspect of metaphysics C. Ontological aspect of epistemology
   B. Cosmological aspect of epistemology D. Cosmological aspect of metaphysics
5. Which one of the following is the distinctive feature of matter?
   A. Objective B. Transcendental C. Eternal D. Sensible
6. Is man born morally evil/good/ neutral? This question belongs to:
   A. Epistemology B. Metaphysics C. Logic D. Ethics
7. All are benefits which are expected from studying philosophy, except
   A. Collective thinking B. Critical thinking C. Critical reflection D. Soliciting creativity
8. Among the following which one is the benefit of studying logic?
   A. It trains students to draw a correct conclusion.
   B. Logical skills can protect us from being unduly influenced by politicians' promises.
   C. It provides confidence in raising good judgments of the arguments of others. D.
9. Which one is not the nature of a good argument?
   A. Strong inductive argument with true premises
   B. Valid deductive argument with true premises C. Premises of an argument
   support a conclusion D. Cognet argument E. A and D F. None
10. Which one is not the source of knowledge?
    A. Intuition B. Authority C. Revelation D. Experience E. N
11. Which one is correct about the following argument? *All planets revolve arou*
    Earth revolves around the sun. Therefore, the Earth is a planet.
    A. Valid-unsound. B. Invalid-sound. C. Invalid-unsound. D. Stron

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12. A categorical syllogism A. is a deductive argument B. if the premises are assumed true, the conclusion is true C. the conclusion is probably followed from the premises D. All but C

13. The argument: **"Either the EPP or the opposition party will win in the next election. The EPP will win in the election. Hence, the opposition party won't win"** is:
A. inductive B. valid C. invalid D. strong

14. Which one is correct about arguments? A. there are statements that claim to present reasons. B. they claim to prove something C. there is implicit or explicit inferential claim. D. All

15. A strong inductive argument with true premises and true conclusion is
A. cogent B. sound C. unorgent D. unsound

16. In an inductive argument, if the premises are assumed true then
A. the conclusion is true B. it is impossible for the conclusion to be false
C. the conclusion is probably true D. All

17. Which one is inductive argument? A. statistics B. analogy C. authority D. All

18. One is not characteristic of self-actualized person A. Intellectual and Behavioral dependence B. Reflective Self-Awareness, C. Flexibility D. Tolerance E. Open-Mindedness.

Part II: Short answer

Write the premise and conclusion of the following argument. 2%

Since the good, according to Plato, is that which furthers a person's real interests, it follows that in any given case when the good is known men will seek it.

Critical Thinking Test #1 20% Answer sheet

Name..... ቀለሜ .....**Id No**.....**Sec**....

Part I: Multiple choice Items (1pt each) 16%

1.[redacted] 2.[redacted] 3.[redacted] 4.[redacted] 5.[redacted] 6.[redacted]

7.[redacted] 8.[redacted] 9.[redacted] 10.[redacted] 11.[redacted] 12.[redacted]

13.[redacted] 14.[redacted] 15.[redacted] 16.[redacted] 17.[redacted] 18.[redacted]

Part II: short answer items (2%)

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BAHIR DAR UNIVERSITY
Critical Thinking Mid-Term Exam for Natural Science Stream
Total Weight: (30%) **Time Allotted: 45 Mins.** **28-June-2022**

Name [redacted] ID BDU [redacted] Sec [redacted]

I. Write True if the Statement is Correct and False if It is Incorrect (1pt each)

1. An argument can be constructed with or without a claim of inference.
2. A cogent argument must be inductively strong.
3. The consequent of "There is air in the room if there is fire in the room" is "There is air in the room."
4. Deductive arguments always proceed from general to particular facts.
5. Truth value is not relevant to determine the validity or strength of an argument unless it contains all true premises & a false conclusion.
6. Thinking alone by itself is a sufficient condition to become a philosopher.

II. Choose the Best Answer among the Given Alternatives (1.5 Pts each)

1. Identify the **valid** argument among the given arguments bellow.
   A. For most birds can fly; and eagle is a bird. Hence, eagle can fly.
   B. All cows are animals; as some animals are mammals; and all cows are mammals.
   C. Because all scientists are philosophers; and all philosophers are mathematicians. Thus, all mathematicians are scientists. D None.
2. _____ is an argument in which the conclusion rests upon a statement made by some presumed witness.
   A. Syllogistic argument C. Argument from analogy
   B. Argument from authority D. Causal inference
3. In what specific way is the inferential claim most important in the evaluation of arguments? It is important in:
   A. determining whether the premises are true or false.
   B. examining whether the premises provide genuine information or not
   C. deciding whether the premises fail to or do support the conclusion.
   D. deciding the truth values of the statements in arguments.
4. My birthday is eight days before my brother's birthday. My brother's birthday is on April 20. Therefore, my birthday is on April 12.
   The above argument is: A. Strong B. Valid C. Invalid D. Weak
5. The best way to learn and understand philosophy is "*to philosophize*." Here, the expression "to *philosophize*" means,
   A. To become acquainted with differing philosophical positions.
   B. To be confronted with philosophical questions.
   C. To read the philosophers themselves & to grapple with the issues for oneself.
   D. All except B
   E. All of the above
6. Which of the following are all inductive arguments?
   A. Arguments based on mathematics, arguments from definition, syllogistic arguments.
   B. Predictive arguments, argument based on signs, argument from authority.
   C. Arguments from definition, causal inferences, arguments based on signs.
   D. Arguments from authority, hypothetical syllogisms, arguments from analogy.
7. All banks are financial institutions.
   Abay Insurance is a financial institution.
   Therefore, Abay Insurance is a bank.
   The argument is:- A. Valid B. Invalid C. Sound D. Cogent E. None
8. One of the following questions is **not** the primary concern of metaphysics?
   A. What is the relation between mind and body?

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B. Is there a God? If so, is there one or more than one?
C. Can our sense experience help us to know things?
D. Did the universe come about by accident or design?
E. A & D

9. Which of the following is a sufficient condition for committing a crime?
A. Having a good lawyer B. Signing a confession C. Robbing a bank D. Going to jail

10. Identify the one which is a **wrong** statement;
A. Scientific arguments aimed at the discovery of a law of nature are usually deductive.
B. In a narrower sense, *inference* means the reasoning process expressed by the argument.
C. Expository passage could be an argument if there are statements intended to prove the topic sentence in addition to expanding it.
D. Though loosely associated statements lack a claim that one of their statements is proved by the others, they may express about the same general subject.
E. A & B

11. Of the following options which one is true?
A. Every statement in argument is either premise or conclusion.
B. Factual claim cannot be found in non-argumentative passages.
C. The mere existence of premise indicator or conclusion words is a guarantee for a passage to be argumentative.
D. An argument can have more than one premises and conclusion. E. None

III. From the given alternatives, choose the correct evaluation for the arguments appearing below from question 1 to 5. (1.5 pts each)

A. *Valid* **B.** *Invalid* **C.** *Strong* **D.** *Weak*

1. All Sub-Saharan countries are African countries. No African countries are members of the UNSC. Therefore, no Sub-Saharan countries are members of the UNSC.
2. Blen is a middle-aged, dark haired Catholic woman who supports right-to-life issues. Mahider is also a middle-aged, dark haired Catholic woman. Therefore, she probably also supports right-to-life issues.
3. All monkeys are animals. All mammals are animals. Thus, all monkeys are mammals.
4. For the last millennium no biologist could get a horse with wing. Thus, it is improbable to get such a creature for the coming century.
5. After examining DNA evidence found at the crime scene, Dr. Samuel, a highly qualified forensic biologist, indicates that Mr. Solomon could not have committed the crime. Therefore, we conclude that
Mr. Solomon is innocent.

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Answer Sheet

Mid BDU (2014) 2022 Natural science stream

Name [redacted] ID BDU [redacted] Sec [redacted]

I. True/False (1 pt each)

1. False
2. True
3. True
4. False
5. True
6. False

II. Multiple Choice (1.5 pts each)

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

3) c & 9) c

III. Evaluation (1.5 pts each)

1. Valid
2. Weak
3. Invalid
5. Strong
4. Strong

27/30

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1. Hawassa
2. DebreTabor
3. DireDawa
4. Wolkite
5. WolyaitaSodo
6. Jimma
7. Gonder
8. 40minch
9. MeddaWolabu
10. Assosa
11. Wachamo
12. Bahirdar