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WCU, CSSH, DCEST, Mid Exam of Logic & Critical Thinking (2015E.C), Time (40')

*Name:*_____ *ID.No*_____

Part I: Write "True "If the Statement is Correct and "False "if the Statement is Incorrect (1each)

1. *"What is soul?"* is a question posed by the ontological aspect of metaphysics.
2. All strong arguments are exactly cogent
3. Euthanasia is the concern of applied ethical issue.
4. Every strong argument is factually correct.
5. Eternal vigilance is not the feature of philosophy.

Part II: Choose the Best Answer from the Provided Alternatives (1 each)

6. Which one of the following is logical valid argument?
   A. Every EU citizen can enter the US without a visa. Max is a citizen of Sweden. Therefore Max can enter the US without a visa.
   B. If I owned Sheraton Addis, I would be wealthy. I do not own Sheraton Addis. Therefore, I am not wealthy.
   C. For a few days there has been rainfall in Addis Ababa. Therefore, probably it will be raining throughout next week.
   D. Kebede is an acknowledge expert in economics. He asserts that economics is more of an art than a science. So, economics is an art.

7. *The Presidents of Addis Ababa University were prof. Tassew woldehanna (since Feb 2018), Prof. Admasu Tsegaye (Apr 2011 – Nov 2017), and Prof. Andreas Eshete(Jan 2003 – Mar 2011). Thus, all AAU presidents are professors.* **Determine the type and evaluation of the above argument.**
   A. Deductive, Valid and sound
   B. Inductive, strong and un cogent
   C. Deductive, invalid and unsound
   D. Inductive, weak and uncogent

8. Which one of the following is/are inductive argument?
   A. Either Abebe is a professor or lecturer in Wachemo university .Abebe is not a lecturer in Wachemo University. Thus, Abebe is a professor in Wachemo University.
   B. Almaz is liar. Therefore, she doesn't tell the truth.
   C. No pediatricians are individuals who jeopardize the health of children. All faith healers are individuals who jeopardize the health of children. Therefore, no faith healers are pediatricians.
   D. When a lighted match is slowly immersed into water, the flame is extinguished. But gasoline is a liquid, just like water. Therefore, when a lighted match is slowly immersed into gasoline, the flame will be extinguished.

9. Which one is INCORRECTLY matched about source of knowledge?
   A. Intuition .....often experienced as a sudden flash of insight.
   B. Revelation .....It's like opening a curtain or a door and seeing what is behind it
   C. Rationalism .....Knowledge obtained through Senses.
   D. Empiricism ...knowledge appears to be built into the very nature of human experience

a → b
¬a → b
∴ b , not valid

a → b
a
∴ b

Department Of Ethical
Wachemo University

10. Which one of the following is FALSE concerning arguments?
   A. If an argument is valid and has at least one false premise then its conclusion may be false
   B. If an argument is valid and has a true conclusion, then it must have all true premises.
   C. If an argument is valid and has a false conclusion, then it must have at least one false premise
   D. An argument is sound if and only if it is both deductively valid and factually correct

11. *Possibly the funniest day of the year is April fool's day. It happens on the first of April every year and it comprises pranks and jokes on friends and family, and sometimes strangers. The phrase to use is "April Fools!" after you complete a prank or Joke.* **Determine the above passage.**
   A. Argumentative passage B. Expository Passage C. Illustration D. Explanation

Part III. Match Column 'A' with Column 'B'(1 each)

No	"A"	"B"
12.	Six months ago I met a farmer from Jima, and he was friendly. Four months ago I met an insurance salesman from Jima, and he was friendly. Two months ago I met a dentist from Jima, and she was friendly. I guess most people from Jima are friendly.	A. Causal Argument
13.	More Americans die of skin cancer each year than die in car accidents. How do I know? My doctor told me.	B. Syllogism
14.	I can't log in. The network must be down.	C. Analogy
15.	It has rained in Hossana every February since weather records have been kept. Therefore, it will probably rain in Hossana next February.	D. Authority
16.	Seventy-three percent of Arba Minch residents enjoy fishing. Ermiyas is Arba Minch resident. So, it's likely that Ermiyas enjoys fishing.	E. Definition
17.	Either Trump will win the election or Biden will win the election. But Trump won't win the election. Therefore, Biden will win the election.	F. Inductive Generalization
18.	Biruk is a graduate of Addis Ababa University, and he is bright, energetic, and dependable. Mary is a graduate of Addis Ababa University, and she is bright, energetic, and dependable. Hayat is a graduate of Addis Ababa University. Therefore, most likely, Hayat is bright, energetic, and dependable, too	G. Prediction
		H. Statistics

Part IV: Short Answer(2%)

19. Find out the Premises and Conclusion of the argument given below:

"Cheating is wrong for several reasons. One is, it will ultimately lower your self-respect because you can never be proud of anything you got by cheating. Cheating is also a lie because it deceives other people into thinking you know more than you do. The other, cheating violates the teacher's trust that you will do your own work. Moreover, cheating is unfair to all the people who aren't cheating. Finally, if you cheat in school now, you'll find it easier to cheat in other situations later in life perhaps even in your closest personal relationships."

Conclusion: Cheating is wrong for several reasons

Premises: Cheating is lie, it can never be proud of anything you

Conclusion - Cheating is wrong for several reasons
- It will lower self-respect
- It violets teacher's trust
- ~~Cheating is wrong for several reasons~~
- Cheating is un fair for all person