



UNIVERSITY OF GHANA
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B.A. FIRST SEMESTER EXAMINATIONS: 2017/2018

UGRC 150: CRITICAL THINKING & PRACTICAL REASONING

3 CREDITS

MAIN CAMPUS

INSTRUCTIONS: Answer **ALL** questions. Answer the questions on the question paper. For questions 1-41, circle the letter corresponding to the correct answer on this page; and answer the rest at the places where they are. Each answer carries 1 (one) mark, unless otherwise stated.

TIME ALLOWED: Two hours

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- 41.
- I. A B C D E F G
 - II. A B C D E F G
 - III. A B C D E F G
 - IV. A B C D E F G
 - V. A B C D E F G
 - VI. A B C D E F G
 - VII. A B C D E F G
 - VIII. A B C D E F G
 - IX. A B C D E F G
 - X. A B C D E F G

Choose the option that best answers each of the questions below:

1. Which of the following laws is man-made?
 - a. Statutory law
 - b. Natural law
 - c. All of the above
 - d. Divine law
 - e. None of the above
2. Which of the following is a civil law?
 - a. Cultural norm
 - b. If a number multiplied by one, the result is the number itself
 - c. All metals expand when heated
 - d. All of the above
 - e. None of the above
3. The sentence, *0% of laboratory technicians study Arts subjects* is...
 - a. Moral law
 - b. Mathematical law
 - c. Statistical hypothesis
 - d. Law-like hypothesis
 - e. None of the above
4. *Dyslogistic ad hominem* ...
 - a. Is an informal fallacy
 - b. Makes use of laudatory facts about a person
 - c. Is a formal fallacy
 - d. Manipulates language
 - e. None of the above
5. The sentence, *how can a President slap a minister?* is...
 - a. Declarative
 - b. Imperative
 - c. Interrogative
 - d. Definition
 - e. None of the above
6. The sentence, *a sentence which has only a predicate but no subject is a fragment* is ...
 - a. Declarative
 - b. Imperative
 - c. Interrogative
 - d. Fragment
 - e. None of the above
7. The sentence, *critical thinking is not a level 100 course* is ...
 - a. Proposition
 - b. Directive
 - c. Emotive expression
 - d. Interrogative sentence
 - e. Fragment
8. A statement is always the same as a ...
 - a. True sentence
 - b. Factual sentence

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- c. All of the above
 - d. Sentence
 - e. Proposition
9. A factual sentence...
- a. Is a true sentence
 - b. Describes the world as it ought to be.
 - c. May be an imperative
 - d. Cannot be turned into an imperative
 - e. None of the above
10. Which of the following is an expression of emotion?
- a. Is that how the world is? No fairness at all!
 - b. Is this the painter who refused to marry his girlfriend?
 - c. Where is the cup, the spoon and the tea bag? Are they yours or hers?
 - d. All of the above
 - e. He is sick.
11. There is some in the sentence, *if you cannot find a job, then you are not looking hard enough*.
- a. Metaphor
 - b. Ambiguity
 - c. Narrowness
 - d. vagueness
 - e. none of the above
12. If an argument moves from particular premises to a general conclusion, then it is necessarily ...
- a. Deductive
 - b. Inductive
 - c. Fallacious
 - d. Polemical
 - e. None of the above
13. When the predicate of a sentence is finite, then it is ...
- a. General
 - b. Imperative
 - c. Particular
 - d. Law-like
 - e. None of the above
14. In a/an the premises already contains the conclusion.
- a. Good definition
 - b. Rhetorical passage
 - c. Proof
 - d. Confirmation
 - e. None of the above
15. The reference class of the sentence, *farmers who are on the African continent will drive expensive cars in future* is ...
- a. Expensive cars in future
 - b. Drive expensive cars in future
 - c. Farmers
 - d. Farmers who are on the African continent will.

- e. None of the above
- 16. Negating the consequent in an argument is a syllogistic fallacy.
 - a. True
 - b. False
- 17. Which of the following relates to deduction?
 - a. Data
 - b. Pseudo precision
 - c. All of the above
 - d. False hypothetical syllogism
 - e. None of the above
- 18. In a disjunctive syllogism, there is an antecedent and a consequent.
 - a. True
 - b. False
- 19. When an argument is unsound, it is ...
 - a. Partly inductive
 - b. Inductive
 - c. Valid
 - d. Invalid
 - e. None of the above
- 20. A sentence which is described as a "test result" is ...
 - a. Neither true nor false
 - b. Premise of an induction
 - c. Conclusion of a deduction
 - d. Informal fallacy
 - e. None of the above
- 21. Every fallacy which manipulates data also manipulates language.
 - a. True
 - b. False
- 22. The predictive power of a statistical hypothesis is less than that of a law-like hypothesis.
 - a. True
 - b. False
- 23. The empirical content of a statistical hypothesis is higher than that of a law-like hypothesis.
 - a. True
 - b. False
- 24. The argument, *Most Catholics are baptized in rivers, so all Catholics in Ghana are baptized in rivers* is ...
 - a. Valid
 - b. Unsound
 - c. Inductive
 - d. Syllogism
 - e. None of the above
- 25. If it is required that more than a few observations are made to determine the truth of a sentence, then ...
 - a. The sentence is false
 - b. The sentence is deductive
 - c. The sentence is vague

- d. The sentence is not particular.
 - e. None of the above
26. The hypothesis for an enumerative induction must be ...
- a. Statistical
 - b. Law-like
 - c. All of the above
 - d. Particular
 - e. None of the above
27. When facts are presented with detailed percentages which impede precise understanding of those facts, a fallacy called is committed.
- a. Pseudo hypothesis
 - b. Disjunctive syllogism
 - c. Hypothetical syllogism
 - d. Misplaced vividness
 - e. None of the above
28. A pseudo hypothesis could be scientific.
- a. True
 - b. False
29. Appeal to the masses is a fallacy also known as...
- a. Illegitimate appeal to authority
 - b. Appeal to pity
 - c. Appeal to force
 - d. Genetic fallacy
 - e. None of the above
30. Mathematical mystification is ...
- a. A syllogism
 - b. A type of law
 - c. A fallacy
 - d. All of the above
 - e. None of the above
31. Which of the options below best describes the passage in italics?
- The Principal of the college is honest. I think this is true because he never tells lies to anyone whether or not he knows the person.*
- a. Rhetorical
 - b. Narrative
 - c. Good argument
 - d. Bad argument
 - e. None of the above
32. Which of the options below best describes the passage in italics?
- To become a singer, it is necessary that you take soft drinks before breakfast and after supper, and practice nine hours everyday.*
- a. Rhetorical
 - b. Narrative
 - c. Good argument
 - d. Bad argument
 - e. None of the above
33. Which of the options below best describes the passage in italics?

Prostitutes are noble. No one can disagree with me because it is a known fact that some ministers are former prostitutes – at least, two of them are.

- a. Ad hominem
 - b. Equivocation
 - c. Circularity
 - d. Hasty generalization
 - e. None of the above
34. The sentence, *you must not shout in the forest* may be described as ...
- a. Moral value judgement
 - b. Non-moral value judgement
 - c. Declarative sentence
 - d. Metaphor
 - e. None of the above
35. Definiens is the subject of a definition.
- a. True
 - b. False
36. If someone demonstrates the meaning of a word by providing the steps that are to be followed to arrive at what a word means, then ...
- a. The person has provided an operational definition
 - b. The person has provided an ostensive definition
 - c. All of the above
 - d. The person has provided a theoretical definition
 - e. The person has provided an stipulative definition
37. An eliminative definition may also be called
- a. Lexical definition
 - b. Stipulative definition
 - c. Essential definition
 - d. Theoretical definition
 - e. Operational definition
38. The connotation of a word is the same as its stipulative definition.
- a. True
 - b. False
39. It is for a definition to contain an open-class concept.
- a. Logical
 - b. Advisable
 - c. Not advisable
 - d. Narrow
 - e. None-of the above
40. The definition, *senior high school is an academic institution which is below university* is ...
- a. Broad
 - b. Circular
 - c. All of the above
 - d. Circular
 - e. Narrow
41. Use (a) 'disjunctive syllogism', (b) 'modus ponens', (c) 'hypothetical syllogism', (d) 'modus tollens', (e) 'false hypothetical syllogism', (f) 'fallacy of denying the

antecedent', and (g) 'none of the above' to describe the following statements
[Choose only one of the alternatives just mentioned for each statement and circle the corresponding letter at page 1]:

- i. The musician claims that biologists play football better than carpenters, and that Akereka plays football better than all biologists since he is a carpenter. -----
- ii. All administrators are stingy. Mr. Dabodabo is not stingy. So Mr. Dabodabo is not an administrator.-----
- iii. Anytime it rains heavily, teachers conduct tests. It has not rained heavily. So teachers will not conducted any tests.-----
- iv. All Nigerians hate crime. All who hate crime are God's children. So all God's children are Nigerians.
- v. All engineers are tax payers. All tall people tax payers. So all engineers are tall people.---

- vi. Either I have an umbrella or I eat a lot before I go to school. I do not eat a lot before I go to school. So I do not have an umbrella.-----
- vii. All policemen are born in the month of August. Kwaku Manu was born in the month of August. So Kwaku Manu is a policeman.-----
- viii. All Canadian tourists are bachelors. Emmanuel is not a Canadian tourist. So Emmanuel cannot be a bachelor.-----
- ix. All Indians love cricket. All who love cricket are lazy. So all Indians are lazy.-----
- x. Kofi will pay for the goods or he will run away. Kofi will not run away. So Kofi will pay for the goods.-----

42. Indicate the type of declarative contained in the following sentences.

- a. China is the smallest country on earth
- b. Asamoah Gyan is a god
- c. It is a delight to be loved
- d. Pawpaw is a fruit.....
- e. Sloping land (especially the slope beside a body of water) is bank
.....
- f. Kofi Amankwaa is a hardworking student.....
- g. Stealing is wrong.....
- h. Amina is taller than Akoley.....
- i. Sika is lazier than Araba.....
- j. Education is a race
- k. Sulley Muntari is a machine
- l. Today is Thursday.....
- m. Tomorrow is Sunday.....
- n. Mountain is a land mass that projects well above its surroundings
.....
- o. There are different mobile devices in the Republics of Ghana and South Sudan.....

43. Complete the following sentences(0.5 mark each):

- a. Civil or statutory laws include ----- laws and -----
-----laws. It is -----*correct/incorrect* (choose one)----- to say that an
argument is false. In a conditional sentence, there is a/an -----
----- and -----
- b. The sentence, *2% of architects are payed from the consolidated fund* is ----
particular/general (choose one)----- Change the sentence, *Many Ethiopians play*
hockey for fun into an imperative -----

----- and write the sentence, *Rice and stew will be served* in the form of
an interrogative sentence-----

THE END.