

ID NUMBER -----



UNIVERSITY OF GHANA
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B.A. SECOND SEMESTER EXAMINATIONS: 2016/2017

UGRC 150: CRITICAL THINKING & PRACTICAL REASONING

3 CREDITS

MAIN CAMPUS

INSTRUCTIONS: Answer ALL questions. Answer the questions on the question paper. For questions 1-46, circle the letter corresponding to the correct answer on this page; and answer the rest at the places they are. Each answer carries 1 (one) mark, unless otherwise stated.

TIME ALLOWED: Two hours

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46. 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. It is inappropriate to say that an argument can commit more than one informal fallacy.
 a. True
 b. False (0.5mark)
2. If a sentence can be understood differently by different people, the sentence must be a proverb.
 a. True
 b. False (0.5mark)
3. Every valid argument is deductive.
 a. True
 b. False (0.5mark)
4. Every valid argument is sound.
 a. True
 b. False (0.5mark)
5. In induction, a premise is often a test result.
 a. True
 b. False (0.5mark)
6. The conclusion of an inductive argument may be enumerative.
 a. True
 b. False (0.5mark)
7. Scientific laws are law-like statements ...
 a. True
 b. False (0.5mark)
8. A normative sentence is always empirical.
 a. True
 b. False (0.5mark)
9. A rhetorical passage may express some form of emotion.
 a. True
 b. False (0.5mark)
10. A statistical hypothesis is easier to falsify than a law-like hypothesis.
 a. True
 b. False (0.5mark)
11. Every argument has a premise or premises.
 a. True
 b. False (0.5mark)
12. It is false to say that a metaphor could be used to motivate a person.
 a. True
 b. False (0.5mark)
13. A dispute about whether speaking in tongues at Church makes a good Christian is
 a. Eliminative
 b. Metaphorical
 c. Verbal
 d. All of the above
 e. None of the above
14. A factual sentence is ...
 a. Deductive in character

- b. A sentence which is known by most people to be true.
 - c. All of the above
 - d. Can neither be true nor false
 - e. None of the above
15. The sentence, *Life is a game* is ...
- a. Metaphor
 - b. Proverb
 - c. Narrative
 - d. Vague
 - e. None of the above
16. If we cannot tell what an expression refers to because its intended denotation is indeterminate, then the expression is ...
- a. Ambiguous
 - b. Vague
 - c. Incomplete
 - d. Interrogative
 - e. None of the above
17. Which of the options below best describes the sentence in italics?
Ghana is on the path of economic progress because most Ghanaian students are riding bicycles.
- a. Metaphor
 - b. Rhetoric
 - c. Argument
 - d. Narrative
 - e. Instruction
18. A law which is enforced in line with the customs of a people is ...
- a. Not a real law
 - b. Cultural norm
 - c. Moral law
 - d. All of the above
 - e. None of the above
19. Laws which show how we can rationally and correctly infer a conclusion from premises could be ...
- a. Natural
 - b. Logical
 - c. Civil
 - d. Moral
 - e. None of the above
20. The sentence, *God recommends that the country be ruled by the Church* is ...
- a. Moral law
 - b. Civil law
 - c. Mathematical law
 - d. Logical law
 - e. None of the above
21. A sentence which describes the world as it is could be termed ...
- a. Natural law
 - b. Moral law

- c. Empirical
 - d. All of the above
 - e. Normative
22. When one intends to write a declarative sentence but fails to include a reference class, the sentence is likely to contain a ...
- a. Syllogism
 - b. Subject
 - c. Predicate
 - d. Fallacy
 - e. None of the above
23. Which of the following is true about deductive arguments?
- a. There cannot be more than one premise
 - b. The premise confirms the conclusion
 - c. All of the above
 - d. The conclusion confirms the premise
 - e. None of the above
24. When the statements that constitute an argument appear to fit together and follow a logical rule, the argument is likely to be a ...
- a. Mathematical law
 - b. Proof
 - c. Confirmation
 - d. True
 - e. None of the above
25. A sentence is particular when its ...
- a. Attribute class is infinite
 - b. Predicate is finite
 - c. Attribute class is finite
 - d. Reference class is infinite
 - e. None of the above
26. Which of the options below best describes the passage in italics?
- Almost all members of the Ghana Private Road Transport Union are married, so most drivers cherish family life.*
- a. Argument
 - b. Induction
 - c. All of the above
 - d. Deduction
 - e. None of the above
27. 'Denying the consequent' is ...
- a. The same as modus tollens
 - b. A fallacy
 - c. The same as modus ponens
 - d. The same as a conditional sentence
 - e. None of the above
28. 'Affirming the consequent' is ...
- a. The same as modus tollens
 - b. A fallacy
 - c. The same as modus ponens

- d. The same as a conditional sentence
 - e. None of the above
29. Which of the options below best describes the passage in italics?
All Ts are Bs, All Rs are Bs, Therefore all Ts are Rs
- a. Not an argument
 - b. False hypothetical syllogism
 - c. Hypothetical syllogism
 - d. General law
 - e. None of the above
30. A law-like hypothesis has a higher predictive power than a statistical hypothesis.
- a. True
 - b. False
31. The sentence, *0% of students pay school fees* is.
- a. Law-like
 - b. Statistical
 - c. All of the above
 - d. Metaphorical
 - e. None of the above
32. In an enumerative induction, the hypothesis may be law-like.
- a. True
 - b. False
33. Scientific claims are
- a. Falsifiable
 - b. Certain
 - c. All of the above
 - d. Pseudo-hypotheses
 - e. None of the above
34. If a researcher states that *The Ashanti region is the poorest in Ghana because it has an unemployment rate of 93.67%*, he could be said to have committed a fallacy called ...
- a. Hasty generalization
 - b. Begging the question
 - c. Equivocation
 - d. Pseudo precision
 - e. None of the above
35. Which of the following fallacies does not manipulate data?
- a. Pseudo-precision
 - b. Hasty generalization
 - c. Semi-attached figures
 - d. All of the above
 - e. None of the above
36. When an argument is rejected on the basis of the nationality of the arguer, a fallacy called is committed.
- a. Misplaced vividness
 - b. Appeal to fear
 - c. Hasty generalization

- d. Equivocation
- e. Genetic fallacy
- 37. Illegitimate appeal to authority is a fallacy that ...
 - a. Changes the subject
 - b. Manipulates data
 - c. Manipulates language
 - d. All of the above
 - e. None of the above
- 38. The statement, *The Ghana National Fire Service could not stop the Coconut Grove Hotel from being totally destroyed by fire yesterday, therefore the Ghana National Fire Service does not deserve to be funded by the state* contains a fallacy called ...
 - a. Appeal to pity
 - b. Hasty generalization
 - c. Genetic fallacy
 - d. Grandstanding
 - e. Circularity
- 39. The sentence, *All shall pass* is ...
 - a. Emotive
 - b. Fragment
 - c. Declarative
 - d. Metaphorical
 - e. Imperative
- 40. All statements are declarative.
 - a. True
 - b. False
- 41. The sentence, *wake up early as you have been doing* is ...
 - a. Emotive
 - b. Fragment
 - c. Declarative
 - d. Metaphorical
 - e. Imperative
- 42. The sentence, *Thank God this paper is so easy; I am enjoying the exam* is ...
 - a. Emotive
 - b. Fragment
 - c. Interrogative
 - d. Metaphorical
 - e. Imperative
- 43. A definition tells the meaning of a ...
 - a. Factual sentence
 - b. Definiens
 - c. Definiendum
 - d. Deduction or induction
 - e. None of the above
- 44. Theoretical definitions are often given by experts of a field of study in which the the defined word has a special meaning.
 - a. True
 - b. False

45. Most mathematical terms are well defined.
- True
 - False
46. 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]:
- Mr. Aponkye Krakra plays hockey on Saturdays or he goes to the farm on Saturdays. He does not go the farm on Saturdays. So he plays hockey on Saturdays -----
 - Anytime the Teachers' Union embarks on demonstration, they get a pay rise. They have just had a pay rise. So they it is obvious that the Teachers' Union embarked on a demonstration. -----
 - All musicians are lovers of God. Ras Oppong is not a musician. So Ras Oppong is not a lover of God.-----
 - If the administrator appoints a new clerk, I will ask my brother to sue the company. I am not going to ask my brother to sue the company. It follows that the administrator did not appoint a new clerk.-----
 - All Gs are Ds. This individual is G. So this individual is D.-----
 - All Ks are Ms. This individual is not K. So this individual is not M.-----
 - All Ds are Us. All Us are Js. So all Ds are Js. -----
 - All Hs are Fs. This individual is not F. So this individual is not H. -----
 - All Rs are Ws. This individual is R. So this individual is not W. -----
 - All Ghanaians are intelligent. Nelson is not a Ghanaian. So Nelson is not intelligent.--

47. Indicate the type of declarative contained in the following sentences.
- Water is liquid
 - She performs her duties well.....
 - Writng is the collected works of an author.....
 - She attends a Church called Jehovah Witness.....
 - Stealing is an offence
 - The best time to write exams is the end of a semester.....
 - There are eight days in a week.....
 - Mothers are the ones who feed children.....
 - Mothers are caring.....
 - Fathers are male
 - The tallest man on earth can be found in the remote areas of Thailand
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- l. The state of having little or no money and few or no material possessions is poverty.....
- m. Mrs. Donkor is an Einstein
- n. This phone is not durable.....
- o. Kofi is a devil.....

48. Complete the following sentences:

- a. A narrative is -----

----- (2 marks)
- b. Two examples of a lexical definition are: (i) -----

and (ii)-----

----- (2 marks)
- c. Write down two sentences, each expressing a kind of emotion.
i.-----
ii-----
----- (2 marks)

THE END.