



Gratia Christian College
宏恩基督教學院

Final Examination

Programme	:	General Education
Academic Year (Semester)	:	2023 – 2024 (Semester 2)
Course Code	:	GEN1502
Course Title	:	Critical Thinking
Date	:	25 April 2024 (Thursday)
Time	:	2:30 pm – 4:30 pm
Time Allowed	:	2 hours
Weighting	:	40% of the overall marks

Student ID No. : _____

This paper has 9 pages (including this cover page)

Instructions to candidates:

1. This paper has 3 sections
2. Answer all questions in sections A, B, & C
3. This paper carries 100 marks which are allocated to each question as indicated.
4. This is a closed-book examination.

No materials or aids are allowed during the whole examination. If any unauthorized materials or aids are found on a candidate during the examination, the candidate will be subject to disciplinary action.

NOT TO BE TAKEN AWAY

Section A: Multiple Choices (20%)

Attempt all questions.

Choose the best answer to each of the following questions.

Each question weighs 1%.

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No reference provided for this type of question.

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Section B: True or False Questions (10%)

Attempt all questions.

State whether the following statements are true or false.

Each question weighs 1%.

1. Arguments are composed of one or more premises.
2. “Gratia Christian College was established in 2015” is a value judgment.
3. A rhetorical question is a sentence that has the grammatical form of a question but is meant to be understood as an argument.
4. Reports are a type of argumentative discourse.
5. “Should it rain, the picnic will be cancelled” is a material implication.
6. Illustrations are intended to provide examples of a claim rather than prove or support the claim.
7. “*Titanic* sank because it struck an iceberg” is an argument.
8. “I ate because I was hungry” is an argument.
9. If the conclusion follows necessarily from the premises, the argument should always be treated as inductive.
10. An inductive argument is an argument in which a generalization is claimed to be probably true.

Section C: Short Questions (70%)

Attempt all questions.

1. Critically comment on the reasoning involved in the following passages.
 - a. Smoking can cause heart disease, therefore you SHOULD not smoke. (5%)
 - b. The average American family has 2.5 children. The Jones family is an average American family. Therefore, the Jones family has 2.5 children. (5%)
2. Identify the premise(s) and conclusion of the following arguments.
 - a. Every ruby so far discovered has been red. Probably all rubies are red. (5%)
 - b. All humans are mortal. Socrates is human. Therefore, Socrates is mortal. (5%)
3. a. Use truth table to determine whether the following argument form is valid or not.

If p, then q; therefore if not q then not p (10%)
 - b. Use Venn diagram to demonstrate that the following argument is a valid one.

“All snakes are reptiles. All reptiles are cold-blooded animals. Therefore all snakes are cold-blooded animals.” (10%)
4. There are only two people, A and B, each of whom is either a knight or a knave. Knight always tells the truth and knave always lies. A makes the following statement: “At least one of us is a knave.”
What are A and B? (10%)
5. Mary had three caskets—gold, silver, and lead—inside one of which was her portrait. Now suppose Mary wished to choose her husband not on the basis of virtue, but simply on the basis of intelligence. She had the following inscriptions put on the caskets. (10%)

Gold: The portrait is not in the silver casket.
Silver: The portrait is not in this casket.
Lead: The portrait is in this casket.
Mary explained to the suitor that at least one of the three statements was true and that at least one of them was false. Which casket contains the portrait?

6. Use examples to explain why the statements A (All S are P) and E (No S is P) are not contradictory. (10%)

END

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