



SUBJECT: **Philosophy**
DATE: 28th April 2023
TIME: 4:00 p.m. to 7:05 p.m.

This examination paper has two sections. Answer **BOTH** Section A and Section B. section A carries 30 marks and Section B carries 70 marks. Follow instructions given in each section.

SECTION A: LOGIC AND REASONING

Answer any THREE questions from Section A. Each question carries 10 marks.

1. a) What are complex propositions? Give an example. (4)
- b) Identify the following logical fallacy and briefly explain the error in reasoning:
"This is my favourite book because it is a great book." (3)
- c) What does it mean to say that an argument appeals to inappropriate authority?
Give an example in your own words. (3)

(Total: 10 marks)

2. a) Identify the following situations as either virtual bi-location or virtual bi-temporality (past) or virtual bi-temporality (future).
- i. A live feed of a music event you are not able to attend. (1)
- ii. A recorded voice message sent to you in a chat. (1)
- iii. An sms reminder for your appointment tomorrow. (1)
- iv. Weather forecast with a weather warning for the weekend. (1)
- b) Work out the following truth-tables:
- i. $\neg a \wedge (b \vee c)$ (2)
- ii. $\neg (\neg a \wedge b) \rightarrow \neg c$ (2)
- c) Fill in the blanks:
- i. If a is true and b is true then $a \wedge b$ is _____ (1)
- ii. If a is true and b is _____ then $a \rightarrow b$ is false. (1)

(Total: 10 marks)

Please turn the page.

3. a) Translate the following symbolically. Identify **each** variable clearly:
- i. The dog is asleep but the cat is not. (1)
 - ii. It is not the case that if the dog is asleep then the cat is asleep. (1)
 - iii. The dog is not asleep or the cat is not asleep. (1)
 - iv. If the cat is asleep, then the dog is not asleep and eating. (1)
- b) Translate the following implication and check, using truth-tables, whether it is valid. Give a reason for your answer. (4)
- "It is not the case that John will not be going to the show and that he is sick. He is not sick. Therefore he will be going to the show."
- c) State the Partial Replacement Rule. (2)

(Total: 10 marks)

4. a) Fill in:
- i. _____ is valid (\succ is Reflexive) (1)
 - ii. _____ is admissible (\succ is Transitive) (1)
 - iii. _____ is admissible (\succ is Symmetric) (1)
- b) Prove, using truth-tables, whether the conjunctive is commutative. (4)
- c) Given that:
- a stands for "Paul cycled to work"
 - b stands for "Paul was on time"
 - c stands for "Paul worked from home"
- Translate the following formulae into English sentences:
- i. $(a \wedge b) \rightarrow \neg c$ (1)
 - ii. $\neg (a \wedge b)$ (1)
 - iii. $(a \wedge \neg c) \rightarrow b$ (1)

(Total: 10 marks)

SECTION B: ETHICS AND SOCIETY

Answer QUESTION 5 and any other question from this section. Each question carries 35 marks.

5. How does Kant utilize duty as the cornerstone of his deontological ethics? What roles do the categorical imperative and pure practical reason play in his ethics?
6. Discuss the moral implications linked to reproductive technologies.
7. Why did the Sophists state that truth is relative? Discuss in relation to Protagoras' and Gorgias' arguments on moral truth.
8. Why is Socrates considered a moral optimist and how does he link knowledge to doing good?

(Total: 70 marks)