

MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD
UNIVERSITY OF MALTA, MSIDA
MATRICULATION EXAMINATION
ADVANCED LEVEL
SEPTEMBER 2014

SUBJECT: PHILOSOPHY
PAPER NUMBER: I
DATE: 2nd September 2014
TIME: 9.00 a.m. to 12.00 noon

Answer **THREE** questions in all, **ONE** from **EACH** section. Questions carry equal marks.

Section A: Logic

1. (a) What is a complete system of junctors?
- (b) Translate the following propositions symbolically:
- (i) Each number from 1 to 3 is even.
 - (ii) At least one number from 1 to 3 is even.
 - (iii) One and only one number from 1 to 3 is even.
 - (iv) It is not the case that every number from 1 to 3 is even.
 - (v) No number from 1 to 3 is even.
 - (vi) Every number from 1 to 3 is even or prime.
- (c) (i) The implication-form $A \vee B, \neg A \vee B$ is known as the *Disjunctive Syllogism*. Use truth-tables to show that it is valid. *Give a reason for your answer.*
- (ii) The equivalence-form $A \rightarrow (B \vee C) \equiv (A \wedge \neg B) \rightarrow C$ is known as *Transportation*. Use truth-tables to show that it is valid. *Give a reason for your answer.*
- (d) Write down a proposition constructed out of the elementary propositions a and b and the logical particles \neg and \rightarrow and whose truth-table is as follows:

a	b	a * b
T	T	T
T	F	T
F	T	T
F	F	F

- (e) For each of the following formulae, write down **one** interpretation which is a model.
- (i) $(x \wedge \neg y) \vee z$
 - (ii) $\neg(x \vee y) \wedge z$
 - (iii) $(x \vee y) \wedge \neg z$
- (f) We say that Y is a factor of X precisely when $X < Y$ is valid. Find out which, if any, of the following statements are true:
- (i) a is a factor of $a \rightarrow b$
 - (ii) $a \rightarrow b$ is a factor of a
 - (iii) b is a factor of $a \rightarrow b$
 - (iv) $a \rightarrow b$ is a factor of b

2. (a) Does the method of constructive logic consist in describing how words like 'not', 'and', 'or' etc. are used in English?
- (b) How would you introduce the negator (\neg) in the language of logic?
- (c) Translate the following propositions symbolically:
- (i) It is not the case that both John and David are playing tennis.
 - (ii) Either John or David is playing tennis.
 - (iii) One and only one of John and David is playing tennis.
 - (iv) Neither John nor David is playing tennis.
 - (v) David is playing tennis but John is not.
- (d) Write down two propositions A and B whose truth-tables are as underneath. Use only a, b, c, \neg , \wedge , \vee and brackets.

a	b	c	A	B
T	T	T	T	T
T	T	F	F	T
T	F	T	F	T
T	F	F	F	F
F	T	T	T	T
F	T	F	F	T
F	F	T	F	T
F	F	F	F	F

- (e) (i) Find out by means of truth-tables whether the implication $a \vee (b \wedge c) < (a \vee b) \wedge (a \vee c)$ is valid.
- (ii) Dualise the implication in (e)(i).
- (iii) State the Duality Principle.
- (iv) Use the Duality Principle to find out whether the answer to (e)(ii) is valid.
- (f) Fill in the blanks in the following:
- (i) $A \wedge B < C \Rightarrow$ _____ is admissible (Contraposition).
 - (ii) $A \wedge B < C \Rightarrow$ _____ is admissible (Transportation).
 - (iii) $\neg A \wedge \neg B ><$ _____ is valid (De Morgan).
 - (iv) $A \wedge (B \wedge C) ><$ _____ is valid (Associativity).
 - (v) $A \rightarrow B, A <$ _____ is valid (Modus Ponens).
 - (vi) $A \rightarrow B, \neg B <$ _____ is valid (Modus Tollens).

Section B: Philosophy of Language

3. Discuss **either** the relation between language and action (J.L. Austin, J.R. Searle, and H.P. Grice) **or** the relation between language and politics.
4. Discuss David E. Cooper's book, *Meaning*, focusing mainly on his claim that 'meaning is a matter of belonging to a life'.

Section C: History of Philosophy

5. Compare the views of John Locke, Thomas Hobbes, and Jean Jacques Rousseau on 'human nature' and 'social contract'.

Qabbel il- sibijiet ta' John Locke, Thomas Hobbes, u Jean Jacques Rousseau dwar 'in-natura umana' u 'l-kuntratt so jali'.

6. Discuss Rationalist philosophy with reference to **TWO** Rationalist philosophers of your choice.

Iddiskuti l-filosofija Razzjonalista b'referenza g al- **EW** filosfi Razzjonalisti tal-g a la tieg ek.

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SEPTEMBER 2014

SUBJECT:	PHILOSOPHY
PAPER NUMBER:	II
DATE:	3 rd September 2014
TIME:	9.00 a.m. to 12.00 noon

Answer **THREE** questions in all, **ONE** from **EACH** section. Questions carry equal marks.

Section A: Ethics

1. Explain the relation between choice and flourishing of a person's life in Finnis' *Fundamentals of Ethics*.
2. Outline and discuss the main features of Kantianism as an ethical theory.

Section B: Selected Texts I (Classical and Modern Texts)

3. Discuss Socrates' view on the soul in the *Phaedrus*.
4. Why does Aristotle say that "we deliberate not about ends but about means"?
5. In *On Liberty*, J.S. Mill discusses individuality as one of the elements of well-being. What are the main points of his argument?

Section C: Selected Texts II (Contemporary Texts)

6. Discuss Gilbert Ryle's critique of Descartes' philosophy.
7. Discuss the main arguments of J.L. Austin's theory of speech-acts.
8. Outline the problems of modernity as presented by Charles Taylor in his book, *The Ethics of Authenticity*. What solutions does he propose?
9. Outline the main arguments in Gadamer's essay 'The Speechless Image'.