PHILOSOPHY TRIPOS, PART II

Thursday 02 June 2022   10am-3pm

Paper 8

PHILOSOPHICAL LOGIC

*Answer **three** questions only.*

Write the number of the question at the beginning of each answer.
If you are answering the either/or question, indicate the letter as well.

*For each question do not write more than **2000** words.*

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1. EITHER: (a) What is mathematics about?

   OR: (b) Which is more important for determining the nature of the natural numbers, epistemology or semantics?

2. 'Only mathematical structuralism can explain the applicability of mathematics to empirical matters.' Discuss.

3. 'Logic cannot be true by convention since conventions can only determine what a sentence means, not whether it is true.' Discuss.

4. Should abstraction principles be considered to be definitions?

5. Compare and contrast the logic of singular quantification with the logic of plural quantification. Can either sort of quantification be reduced to the other?

6. Does plural logic make set theory redundant?

7. 'Everyone agrees that "rabbit" refers to rabbits. Therefore reference is not inscrutable.' Discuss.

8. Does radical interpretation tell us anything about our own language?

9. What is a theory of meaning a theory of?

10. In what sense if any is 'I am here now' a necessary truth?

11. How does one believe an indicative conditional?

12. What is the relationship between chances and credences?

END OF PAPER