PHILOSOPHY TRIPOS Part IB

Friday 24 May 2019   13.30 – 16.30

Paper 2

LOGIC

*Answer **three** questions only*

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

STATIONERY REQUIREMENTS
20 page answer book × 1
Rough work pad

**You may not start to read the questions
printed on the subsequent pages of
this question paper until instructed that
you may do so by the Invigilator**

1. Should an empiricist about meaning distinguish between matters of fact and matters of meaning?

2. Should a theory of truth accommodate declarative sentences that are neither true nor false? If so, how?

3. EITHER: (a) Is there a sharp distinction between formal and material validity?

    OR: (b) Describe and assess Davidson's account of logical form.

4. Is the sentence 'Hesperus is Phosphorus' about the words 'Hesperus' and 'Phosphorus'?

5. Must definite descriptions be treated as quantifier phrases?

6. Must a reference-fixing use of a name be intentional?

7. Describe a semantics in terms of Kripke models for the modal logic S5. Provide a proof system for S5 and argue that it is sound with respect to the semantics.

8. Must logical expressions be governed by harmonious rules?

9. 'Frege's criticisms of Hilbert are unsuccessful since Frege and Hilbert mean different things by "axiom", "definition" and related terms.' Do you agree?

10. Prove the collective expressive adequacy of conjunction, negation and disjunction. Show that there are exactly two two-place connectives which are individually expressively adequate.

END OF PAPER