

**PHILOSOPHY TRIPOS Part IB**

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Monday 27<sup>th</sup> May 2013

13.30 – 16.30

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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 x 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. Is meaning compositional? If so, so what?
2. EITHER: a) 'Tarski has not told us all there is to know about the concept of truth, since he has not told us what the concept is that his truth definitions for particular languages have in common.' Discuss.  
  
OR: b) ' "Snow is white" is true because snow is white.' Discuss.
3. 'The substitutional reading of the quantifiers cannot be applied to uncountable domains, hence it is hopelessly flawed.' Discuss.
4. Does the verb 'kicked' take a fixed number of arguments?
5. What did Frege mean by the 'sense' of a singular term? Explain and assess his reasons for positing such a notion.
6. How, if at all, is causation involved in reference?
7. Expound a semantics for the modal logic S4. Show that S4 is properly contained in S5.
8. 'Fitch's paradox of knowability is not a paradox, but simply a theorem which shows that we should reject the claim that every truth is knowable.' Is this right? Does it raise any problems for intuitionists?
9. 'The meaning of the logical constants is exhausted by their introduction and elimination rules.' Discuss.
10. Should we think of the logical consequence relation as holding primarily between sentences or between propositions (or neither)?

END OF PAPER