

PHT2/8.
Philosophy Tripos Part II

Tuesday, 4 June 2024

09.00 to 12.00

Paper 8

PHILOSOPHICAL 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.

*Write your candidate number, **not** your name, on the cover sheet of **each** answer booklet.*

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 to do so.

1. **EITHER:** (a) 'The indeterminacy of reference admits of trivial proof whereas the indeterminacy of translation is merely a plausible conjecture.' Discuss.

 OR: (b) What follows if radical interpretation is impossible?
2. Should knowledge of a theory of meaning suffice for understanding the relevant language?
3. What does the demonstrative 'that' mean?
4. **EITHER:** (a) 'It is nonsense to write " $\sqrt{4} = \pm 2$ ", since there is no such thing as *the* square root of 4, and no such number as plus-or-minus 2'. Discuss.

 OR: (b) Is the idea of higher-level plural terms coherent?
5. **EITHER:** (a) Can the probability of a conditional be explained in terms of conditional probabilities?

 OR: (b) Is there a connection between counterfactuals and time?
6. **EITHER:** (a) Explain an objection to the principle of indifference. Is this objection convincing?

 OR: (b) Is the reference class problem a fatal objection to frequentism?
7. Could empirical data ever have a significant bearing on our choice of logic?
8. Can a mathematical intuitionist deal satisfactorily with infinity?
9. Can a formalist explain the applicability of mathematics?
10. Can a structuralist distinguish between i and $-i$?

END OF PAPER