

PHILOSOPHY TRIPOS Part IB

Wednesday 25 May 2016

09.00 – 12.00

Paper 6

PHILOSOPHY OF SCIENCE

*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.

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 the Kuhnian notion of incommensurability reducible to translation-failure?
2. In what circumstances, if any, would there be metaphysical warrant for rejecting the current best scientific theories?
3. Outline and assess the Bayesian response to the ravens paradox.
4. 'Project observed regularities.' Discuss.
5. Are laws reducible to observable regularities?
6. Formulate and defend the best account of scientific explanation.
7. Could any particular event ever have an objective probability other than 0 or 1?
8. Is probability a logical relation?
9. What is the measurement problem? For which interpretations of quantum mechanics is it a problem?
10. Is simultaneity an empirically meaningful concept?

END OF PAPER