

PHILOSOPHY TRIPOS Part II

TUESDAY 29 May 2018

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 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. What is the quantum measurement problem? What is the best solution to it?
2. Distinguish two (or more) senses of locality, and assess whether quantum phenomena obey them.
3. 'In General Relativity, space-time has energy; so space-time must be a substance.' Discuss.
4. Should the debate about the conventionality of geometry be restricted to theories with only one space-time geometry in any model?
5. In what sense, if any, do biological species have natures?
6. 'Polar bears have thick fur because it keeps them warm.' In what sense is this an explanation?
7. Do rational choice models explain behavior?
8. Are social sciences epistemically inferior to natural sciences?
9. Could folk psychology be radically false?
10. Is there anything to be gained by supposing that cognition extends beyond the brain?

END OF PAPER