

**PHILOSOPHY TRIPOS Part II**

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Thursday 1 June 2017

09.00 – 12.00

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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**

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1. 'The collapse of the wave packet is not a physical fact, but only an appearance.' Discuss.
2. In what sense(s) is quantum theory nonlocal? Is such nonlocality a problem?
3. 'Biological function poses an insurmountable problem for evolutionary theory.' Discuss.
4. Is 'human nature' a myth?
5. Is space-time a substance?
6. EITHER: (a) Discuss the relationship between symmetries and conservation laws.  
OR: (b) How, if at all, does convention appear especially in geometry?
7. EITHER: (a) Is rational choice theory descriptively plausible?  
OR: (b) Is rational choice theory normatively plausible?
8. Which, if any, presuppositions about values are acceptable in social science?
9. Can folk psychology be eliminated from cognitive science without self-refutation?
10. Compare and contrast the role of explanation in psychology and in neuroscience.

**END OF PAPER**