

**PHILOSOPHY TRIPOS Part II**

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Tuesday 26 May 2015

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.*

**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. According to the best understanding of the general theory of relativity, is it a mistake to hold that space-time points are real?
2. Is the geometry of space-time a conventional matter?
3. What interpretation should be given to quantum mechanical probabilities?
4. In what sense, if any, does the empirical success of quantum mechanics force a picture of the world as 'non-local'?
5. Can groups have knowledge which their members lack?
6. Should social science model itself on natural science?
7. How should we individuate different species?
8. Is an interconnected system of quaking aspen trees an organism? Why?
9. Does an explanation raise the probability of what it explains?
10. How can the fact that a hypothesis explains many phenomena make it a good explanation of any one of them?

END OF PAPER