**ARRUPE COLLEGE**

Jesuit School of Philosophy and Humanities

**BA Honours in Philosophy**

**PHILOSOPHY OF SCIENCE APH 303**

**DECEMBER 2015**

**THREE (3) HOURS**

**ANSWER FOUR QUESTIONS ONLY. ALL QUESTIONS CARRY EQUAL MARKS.**

1. Aristotle propounds an inductive-deductive method for our knowledge and understanding of the world, in which he lays greater emphasis on the role of deduction than on the role of induction. Agree or disagree giving reasons for your position.
2. Nancy Cartwright suggests a method of research causes and capacities in a dappled world in order to avoid the pitfalls of fundamentalism. Present her position and discuss its strengths and weaknesses.
3. Discuss the problem of induction and discuss various problems to solve it. Which is the most plausible strategy?
4. Compare and contrast the relative strengths and limitations of any TWO of the following methodologies of science: Verificationism, Falsificationism, Scientific Revolutions, Methodological Research Programmes and Dadaism. Is there a more plausible methodology?
5. Using either the Raven’s Paradox or Nelson Goodman’s New Riddle of Induction, discuss the reasons for the difficulty of formalizing induction.
6. Elaborate and discuss the Hypo-deductive method of understanding science.
7. Bayesianism is a shot in the arm for Philosophy of Science on the understanding evidence.
8. Discuss the relative merits and demerits of the various brands of realism.

**END OF QUESTION PAPER**