

**2017**

**M.Phil.**

**1st Semester Examination**

**POLITICAL SCIENCE**

**PAPER — PLS-112**

**[Logic of Scientific Inquiry]**

*Full Marks : 50*

*Time : 2 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

*Answer all questions.*

**Group - A**

- 1. Analyse the role of 'Theory' in social science research.**

*Or*

*Examine the significance of different types of 'text factors' or 'control variables' with suitable examples.* 15

- 2. What is meant by the scope of the concept?** 5

*(Turn Over)*

Or

Identify the characteristics of a 'good hypothesis'

**Group - B**

3. Discuss the main arguments of Karl Popper as expounded in *Conjectures and Refutations*. 15

Or

Distinguish between 'common sense' and 'scientific knowledge' with suitable examples.

4. Write, in brief, about the concept of 'falsifiability'. 5

Or

What did Kuhn mean by 'paradigm shift'?

**[ Internal Assessment : 10 Marks ]**

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