

Paper I — RESEARCH METHODOLOGY
(Held in April 2010)

Time : Three hours

Maximum : 100 marks

PART A — (5 × 5 = 25 marks)

Answer ALL the questions.

1. Briefly discuss the art of writing thesis.
2. Explain the various types of errors.
3. Find by Newton's method, the real root of the equation $3x = \cos x + 1$.
4. Explain multiplication table and its role in spectroscopy.
5. Discuss the various looping constructs in C++.

PART B — (5 × 15 = 75 marks)

Answer ALL the questions.

6. (a) Explain in detail the qualitative and quantitative analysis of research.

Or

