

syllabus is as follows:

816 (A)

**PART - I**  
**RESEARCH METHODOLOGY**

The main objective is to assess the teaching and research capabilities of the candidates. Therefore, the test is aimed at assessing the teaching and general/research aptitude as well as their awareness.

**Unit - I**

**Teaching Aptitude**

Teaching: Nature, objectives, characteristics and basic requirements.  
Learner's characteristics.  
Factors affecting teaching.  
Methods of teaching.  
Teaching aids.  
Evaluation systems.

**Unit - II**

**Research Aptitude**

Research: Meaning, characteristics and types.  
Steps of research.  
Methods of research.  
Research Ethics.  
Paper, article, workshop, seminar, conference and symposium.  
Thesis writing: its characteristics and format.

**Unit - III**

**Reading Comprehension**

A passage to be set with questions to be answered.

**Unit - IV**

**Reasoning (Including Mathematical)**

Number series, letter series, codes.  
Relationships, classification.

**Unit - V**

**Logical Reasoning**

Understanding the structure of arguments.  
Evaluation and distinguishing deductive and inductive reasoning.  
Verbal analogies: Word analogy - Applied analogy.  
Verbal classification.  
Reasoning Logical Diagrams: Simple diagrammatic relationship, multi-diagrammatic relationship.  
Venn diagram, Analytical Reasoning.