

**b) Pedagogy of Language Development****15 Questions**

- Learning and acquisition
- Principles of language Teaching
- Role of listening and speaking; function of language and how children use it as a tool
- Critical perspective on the role of grammar in learning a language for communicating ideas verbally and in written form;
- Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders
- Language Skills
- Evaluating language comprehension and proficiency: speaking, listening, reading and writing
- Teaching – learning materials: Textbook, multi-media materials, multilingual resource of the classroom
- Remedial Teaching

**IV. Mathematics and Science****60 Questions****(i) Mathematics****30 Questions****a) Content****20 Questions**

- **Number System**
  - Knowing our Numbers
  - Playing with Numbers
  - Whole Numbers
  - Negative Numbers and Integers
  - Fractions
- **Algebra**
  - Introduction to Algebra
  - Ratio and Proportion
- **Geometry**
  - Basic geometrical ideas (2-D)
  - Understanding Elementary Shapes (2-D and 3-D)
  - Symmetry: (reflection)
  - Construction (using Straight edge Scale, protractor, compasses)
- **Mensuration**
- **Data handling**

**b) Pedagogical issues**

**10 Questions**

- Nature of Mathematics/Logical thinking
- Place of Mathematics in Curriculum
- Language of Mathematics
- Community Mathematics
- Evaluation
- Remedial Teaching
- Problem of Teaching

**(ii) Science**

**30 Questions**

**a) Content**

**20 Questions**

- **Food**
  - Sources of food
  - Components of food
  - Cleaning food
- **Materials**
  - Materials of daily use
- **The World of the Living**
- **Moving Things People and Ideas**
- **How things work**
  - Electric current and circuits
  - Magnets
- **Natural Phenomena**
- **Natural Resources**

**b) Pedagogical issues**

**10 Questions**

- Nature & Structure of Sciences
- Natural Science/Aims & objectives
- Understanding & Appreciating Science
- Approaches/Integrated Approach
- Observation/Experiment/Discovery (Method of Science)
- Innovation
- Text Material/Aids
- Evaluation – cognitive/psychomotor/affective
- Problems
- Remedial Teaching