

**B.Ed. Examination 2018**  
**Semester-III**  
**Course : B.Ed. 124-B**  
**Pedagogical Knowledge of School Subjects-B (Mathematics)**

**Time : 3 Hours**

**Full Marks : 70**

*Questions are of value as indicated in the margin.*

**Group-A**

1. **Answer any two questions:** **15×2=30**
- a) Describe the major contribution of Ramanujam in the field of Mathematics. 15
  - b) Prepare a lesson plan for 40 min. duration for class and topic of your choice. 15
  - c) Is Mathematics as a subject necessary in school curriculum? Justify your answer. 15
  - d) Discuss the CCA (Continuous Comprehensive Assessment) in detail. 15

**Group-B**

2. **Attempt any 'six' of the following:** **5×6=30**
- a) Discuss the 'Axiomatic' nature of Mathematics. 5
  - b) What is the need & importance of planning instruction? 5
  - c) Describe the characteristics of a good 'Text book'. 5
  - d) Discuss 'Constructivism' in the field of Mathematics. 5
  - e) What are the needs for having a 'Mathematics Laboratory'? 5
  - f) What do you mean by formative assessment? 5
  - g) Describe the contributions of Euclid. 5
  - h) Discuss the 'Zone of Proximal Development'. 5

**Group-C**

3. **Attempt all the questions:** **2×5=10**
- a) What is the 'Language of Mathematics'? 2
  - b) What do you mean by cooperative learning? 2
  - c) Describe the 'Project Method'. 2
  - d) What do you mean by 'Contextual' learning? 2
  - e) What is a 'Mathematics Club'? 2
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