

**BACHELOR OF EDUCATION EXAMINATION, 2023**  
**(1<sup>st</sup> Year, 2<sup>nd</sup> Semester)**  
**Pedagogy of School Subject – I: Teaching of Mathematics – I**  
**Course: B.EDU – 2.7a**

**Time: Two Hours**

**Full Marks: 50**

The figures in the margin indicate full marks.

1. Answer any one question: 12 X1= 12
  - a) Write a lesson plan on any one topic of your choice from secondary (9<sup>th</sup> or 10<sup>th</sup>) or Higher secondary level syllabus of Mathematics. 12
  - b) Give a brief description of Analytic-Synthetic methods of teaching Mathematics. Explain the use of these methods in teaching of Mathematics with suitable examples. 6+6
  
2. Answer any four questions in about 250 words each: 7 X 4 = 28
  - a) Bring out a model test paper (consisting objective type items only) having full marks 10, on mathematical topic of your own choice for secondary class. 7
  - b) Write the differences between Inductive and Deductive methods. 7
  - c) Give appropriate examples of Facts, Concept and Generalization that can be effectively used in planning of instruction in teaching Mathematics. 7
  - d) Briefly describe the relationship between aims and objectives of teaching Mathematics? 7
  - e) Discuss briefly the contribution of a great Indian Mathematician. 7
  - f) What is an Achievement test? How is Diagnostic test different from an Achievement test? 2+5
  
3. Answer any five questions in about 250 words each: 2 X 5 = 10
  - a) Write two important purposes of evaluation.
  - b) Mention any two uses of correlation.
  - c) State any two importance of “Remedial teaching” in Mathematics.
  - d) Give two examples of “Negative Correlation” from Mathematics.
  - e) Mention any four advantages of ‘Problem Solving Method’.
  - f) How are Mathematics and ICT correlated?
  - g) What is Prognostic test?