

**BACHELOR OF EDUCATION EXAMINATION, 2022**

(1st Year, 2nd Semester)

**PEDAGOGY OF SCHOOL SUBJECT– I****COURSE: B.ED.-2.7a****TEACHING OF MATHEMATICS – I****Time: Two Hours****Full Marks: 50**

The figures in the margin indicate full marks.

1. Answer any one question: 12 X 1 = 12
- a) Write a lesson plan on any topic of your choice from 8<sup>th</sup> or 9<sup>th</sup> or 10<sup>th</sup> grade Mathematics. 12
- b) Illustrate and discuss the Inductive- Deductive methods of teaching Mathematics. 12
2. Answer any four questions in about 250 words each: 7 X 4 = 28
- a) Select a unit of Mathematics of your choice from secondary syllabus and construct an achievement test having full marks of 10. 7
- b) Write the differences between Analytic and Synthetic methods. 7
- c) Differentiate between Objective based test and Objective type test with suitable examples. 7
- c) Explain with illustration how Facts, Concept and Generalization can be effectively used in planning of instruction in teaching Mathematics. 7
- d) What is ment by Instructional objectives? What are the objectives of teaching Mathematics at secondary level? 2+5
- e) What is the relationship of Mathematics with other school subjects in the school curriculum? Give Illustration. 7
3. Answer any five questions 2 X 5 = 10
- a) What is “Concept of Remediation” in Mathematics?
- b) Give any two suggestions to motivate your students to learn Mathematics?
- c) Mention any two advantages and disadvantages of ‘Problem solving Method’.
- d) How is Diagnostic Test different from an Achievement Test?
- e) What is meant by ‘Mastery Learning’?
- f) Mention the name of any two great mathematician along with their contribution in Mathematics.
- g) Give examples of Positive and Negative reinforcement.