

## BACHELOR OF EDUCATION EXAMINATION, 2023

(2<sup>nd</sup> Year, 4<sup>th</sup> Semester)

## Pedagogy of School Subject – II

## Teaching of Mathematics – II

Course: B.EDU – 3.7b

Time: Two Hours

Full Marks: 50

The figures in the margin indicate full marks.

1. Answer any one question: 12 X 1 = 12
  - a) Briefly discuss the current research trends in teaching Mathematics at secondary level.
  - b) With the help of an appropriate example, explain the use of Laboratory method in teaching Mathematics at secondary level.
  
2. Answer any four questions in about 250 words each: 7 X 4 = 28
  - a) What is the "Heuristic Approach" to teaching Mathematics? – *Explain* 7.
  - b) What is TPACK ? Briefly discuss the need of TPACK in Mathematics. 1+6
  - c) Briefly discuss the different aspects to evaluate a Mathematics text-book. 7
  - d) Explain with appropriate example the use of any three audio-visual aids in the field of teaching Mathematics at secondary level. 7
  - e) Take any unit of Mathematics (from any class of secondary level) of your choice and give examples of each type of objective item. 7
  - f) Enlist and discuss the purposes and activities of Mathematics Club in school. 7
  
3. Answer any five questions in about 250 words each: 2 X 5 = 10
  - a) Who is meant by Discovery method?
  - b) Write any two principles of 'meaningful learning' in Mathematics?
  - c) How to motivate students in learning Mathematics?
  - d) Mention the five stages of 'Project method'
  - e) What is a 'Diagnostic Test'?
  - f) Suggest any two enrichment program for the gifted students of Mathematics.
  - g) What do you mean by 'Creativity in Mathematics'?