d) Explain with suitable example how you can employ 'Laboratory Method' in teaching Mathematics at secondary level. 7

e) Briefly discuss essential characteristics of a good text book of Mathematics at school level? 7

f) Select any learning unit of Mathematics and divide it into subunits. Formulate the instructional objectives of teaching that unit. 2+5

3. Answer any *five* of the following in about 60 words each: 2×5=10

a) Mention any two causes of backwardness in Mathematics.

b) What is meant by enrichment programme for gifted students?

c) Give any two study suggestions for the students of Mathematics.

d) Give two examples of 'Research with respect to Mathematics Education'.

e) Mention any two differences between 'General Instruction Objectives' and 'Specific Instructional Objectives'.

f) Mention any two advantages of 'Project Method'.

g) Give any two examples of audio-visual aids in teaching mathematics.

Ex/BED/3.7b/MATH/2022

BACHELOR OF EDUCATION EXAMINATION, 2022

(2nd Year, 4th Semester)

PEDAGOGY OF SCHOOL SUBJECT–II

COURSE: B.ED.-3.7B

[TEACHING OF MATHEMATICS – II]

Time : Two hours   Full Marks : 50

The figures in the margin indicate full marks.

1. Answer any *one* question :   12×1=12

a) Describe the Heuristic Method of teaching Mathematics with its advantages and disadvantages. Explain how you would apply it in your classroom while teaching. 6+6

b) Briefly discuss the principles underlying the construction of 'Mathematics Curriculum'. According to you, what should be the role of a teacher in curriculum construction? 10+2

2. Answer any *four* questions in about 250 words each : 7×4=28

a) What is meant by 'Mathematics Club'? Enlist and discuss the activities of Mathematics Club in school. 2+5

b) What is meant by 'Meaningful Learning'? Give an example of 'Concept Mapping' in teaching Mathematics at secondary level. 2+5

c) What is ICT? Briefly describe the role of ICT for better Mathematics teaching. 1+6