

BINDURA UNIVERSITY OF SCIENCE EDUCATION
MASTERS IN MATHEMATICS EDUCATION
PCM502: CURRICULUM & PEDAGOGICAL ISSUES IN
MATHEMATICS EDUCATION

AUG 2023

Time: 3 hours

Instructions to candidates

1. Candidates may attempt any three questions
2. Each question carries 100 marks
3. Each question should start on a fresh page

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1. Discuss influences of fallibilist philosophy of mathematics on designing mathematics curriculum and its implication for school mathematics in Zimbabwe.
 2. Instructional approaches used by teachers are deeply rooted in their philosophy. Discuss.
 3. Curriculum policy makers should be guided by research. Evaluate this assertion.
 4. Justify the need for a good mix of translation and process problems in the mathematics curriculum.
 5. Explain the implications of **any three** mathematical philosophies in the teaching and learning of mathematics.

END OF PAPER