

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE EDUCATION

5TH AUG 2023

SCIENCE AND MATHEMATICS EDUCATION DEPARTMENT

BACHELOR OF SCIENCE EDUCATION HONOURS DEGREE (HBScEd-Chemistry)

CHE300: TRENDS IN CHEMISTRY EDUCATION

Duration: 3 Hours

Total Marks 100

Instructions to Candidates

1. Answer any three questions.
2. Relate all answers and examples to the teaching of Chemistry in Zimbabwean schools.
3. Begin each new question on a fresh page.

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1. Examine how Education 5.0 guides educators to prepare teachers for STEMizing Chemistry learning in Zimbabwe. [100 marks]
2. Discuss the current role of chemistry education in sustainable development. [100 marks]
3. Evaluate any four social and economic impacts of teaching nanochemistry. [100 marks]
4. Analyse the notion that digital chemistry practicals limit the development of twenty-first competencies in learners. [100 marks]
5. Illustrate any four teacher practices that can promote inclusivity in chemistry learning. [100 marks]

End of Examination Paper