

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF SCIENCE EDUCATION
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

~~2024~~ JAN 2025

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. In the context of Zimbabwe, how can the principles of Education 5.0 be integrated into chemistry education to enhance student engagement, critical thinking, and problem-solving skills? [100 marks]
 2. Explain the fundamental concepts and principles of nano-chemistry and its significance in the field of chemistry. How can these concepts be effectively introduced to students at various educational levels? [100 marks]
 3. Discuss emerging trends and technologies that may further advance the field of digital chemistry practicals in the future. [100 marks]
 4. Explore and explain effective teaching strategies that promote inclusivity in chemistry education
 5. Discuss the ethical aspects of chemistry education in the context of sustainability. [100 marks]

End of Examination Paper