

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE EDUCATION

DEPARTMENT OF CURRICULUM AND EDUCATIONAL MANAGEMENT STUDIES

POST GRADUATE DIPLOMA IN EDUCATION (PHYSICS)

PDE 518/510: METHODES OF TEACHING PHYSICS/Chemistry

DURATION: 3 HOURS

TOTAL MARKS 300

INSTRUCTIONS

1. Answer any three questions.
2. Each question should begin on a new page.
3. Each question carries 100 marks.

JUN 2025

-
1. Examine the importance of the constructivist learning theory in teaching and learning of Physics/ Chemistry.
 2. The following are some of the activities carried out by scientists in the creation and acquisition of knowledge: observation, measurement hypothesizing predicting and experimenting. Justify the use of such activities in Physics/Chemistry lessons.
 3. Assess the importance of Bloom's Taxonomy in construction of a Physics/Chemistry test.
 4. Explain how you would use tenets of critical pedagogy to improve teaching of Physics/Chemistry at ordinary school level.
 5. Analyze the benefits of using the discovery method, the practical laboratory and problem solving methods in Physics/Chemistry teaching.

END