

8BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE EDUCATION

SCIENCE & MATHEMATICS EDUCATION DEPARTMENT

BACHELOR OF SCIENCE EDUCATION HONOURS DEGREE IN PHYSICS

PHE112: HISTORY AND PHILOSOPHY OF PHYSICS

TIME: 3 HOURS

INSTRUCTIONS

AUG 2024

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

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1. Discuss the implications of Thomas Kuhn's ideas to the development of the physics curriculum for secondary schools.
 2. Examine **any four** causes of the scientific revolution.
 3. Assess **any four** arguments raised by the Positivists and Logical Positivists on the nature of scientific knowledge.
 4. Evaluate Aristotle's contribution to the developments in Physics.
 5. Discuss Lakatos' views on the status of scientific knowledge and their influence on physics education.

END OF PAPER