

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE
Department of Environmental Science

MOHS509

Applied Ergonomics
MSc OHSEM Part I Examination

TIME: 3 HOURS (100 marks)

JUN 2024

INSTRUCTIONS

Answer QUESTION ONE from SECTION A and any other two questions from SECTION B.
Question one carries 50 Marks and the rest 25 Marks each.

SECTION A (COMPULSORY)

1. You have been hired as an ergonomics consultant for a mining company that is experiencing an increasing number of ergonomics complaints. Explain the ergonomics ethics that you would follow when conducting the survey. [50 Marks]

SECTION B

2. The Rapid Entire Body Assessment is the most appropriate ergonomic risk assessment method for manual tasks. Discuss. [25 Marks]
3. Explain ergonomic risks factors under the following sub-headings
(a). Job-related factors. [15 Marks]
(b). Personal factors. [10 Marks]
4. Work-Related Musculoskeletal Disorders are of different etiology. Discuss. [25 Marks]
5. Explain the application of the hierarchy of control in ergonomics interventions. [25 Marks]

END OF PAPER