BINDURA UNIVERSITY OF SCIENCE EDUCATION FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

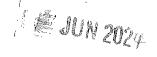
Department of Environmental Science

MOHS509

Applied Ergonomics

MSc OHSEM Part I Examination

TIME: 3 HOURS (100 marks)



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.

(b). Personal factors.

[15 Marks]

[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