

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

ESM 210

Ergonomics

BSc SHEM Part II Examination

TIME: 2 HOURS (70 marks)

NOV 2024

INSTRUCTIONS

Answer QUESTION ONE from SECTION A and any other two questions from SECTION B.
Question one carries 30 Marks and the rest 20 Marks each.

SECTION A (COMPULSORY)

1. Macdonald Brick's clinic sister in charge reported that there is an increase in lower back pain complaints at the clinic, particularly from general hands. General Manager hired you as an expert to look into the matter and propose a way forward in reducing these cases. Explain the approach you will use in handling this task (30).

SECTION B

2. Explain Borg's scale and show its applicability in the construction industry (20)
3. REBA and QEC are no longer relevant to the current work setups. Discuss (20)
4. Discuss key ethical issues that must be followed in ergonomics research (20).
5. Explain how different professionals in Occupational Health and Safety can work together to enhance ergonomics at work (20).

END OF PAPER