

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE
DEPARTMENT: NATURAL RESOURCES
PROGRAMME: BSc NATURAL RESOURCES MANAGEMENT

COURSE CODE: NR223 (2) : ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

DURATION: 2 HOURS

TOTAL MARKS: 70

INSTRUCTIONS TO CANDIDATES

JUN 2024

Answer *Three* questions out of the following five questions. You must answer question *One* from Section A and any *Two* questions from Section B.

SECTION A (COMPULSORY)

1. (a) List 2 examples of each of the following types of impacts:

i. Direct,	[2 Marks]
ii. Indirect,	[2 Marks]
iii. Irreversible,	[2 Marks]
iv. Transboundary and	[2 Marks]
v. Long-term.	[2 Marks]
- (b) What are the major outcomes of an Environmental and Social Impact Assessment ESIA report review process? [3 Marks]
- (c) Justify the need for the following in ESIA:

i. Identification of alternatives,	[3 Marks]
ii. Establishing baseline conditions and	[4 Marks]
iii. Establishing terms of reference.	[4 Marks]
- (d) Explain the criteria used in evaluating impact significance and severity. [6 Marks]

SECTION B

2. (a) Outline two advantages and two disadvantages of the following ESIA tools:

i. Mathematical models,	[4 Marks]
ii. Impact networks,	[4 Marks]
iii. GIS and Map overlays,	[4 Marks]
iv. Checklists,	[4 Marks]
v. Matrices.	[4 Marks]

3. (a) Explain the constraints to effective stakeholder consultation in the ESIA process. [10 Marks]
(b) Identify solutions to the constraints listed 3 (a). [10 Marks]
4. Critically evaluate the importance of ESIA process in Africa. [20 Marks]
5. "Monitoring, auditing and decommissioning are significant post project proposal acceptance processes in ESIA". Discuss. [20 Marks]

END OF PAPER