

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF SCIENCE AND ENGINEERING

DEPARTMENT OF SUSTAINABLE DEVELOPMENT

BACHELOR OF SCIENCE IN SUSTAINABLE DEVELOPMENT

DG 414: ENVIRONMENTAL IMPACT ASSESSMENT (EIA)

TIME: 3 HOURS

OCT 2024

ANSWER ANY THREE QUESTIONS. MARKS FOR EACH QUESTION ARE INDICATED IN BRACKETS [].

1. As a Project Manager, you are responsible for initiating an EIA for a new infrastructure project. Outline the key concepts and terms that your team needs to understand before proceeding. **[25]**
2. A project is being planned in Zimbabwe, and you are tasked with ensuring compliance with the EIA process. Explain the specific steps involved in the EIA process in Zimbabwe and compare them with those in South Africa or another southern African country. **[25]**
3. You have been asked to validate the results of an environmental impact analysis. Discuss how experiments and simulation models can be employed to enhance the reliability of the impact analysis. **[25]**
4. You are managing a project where public opposition is anticipated. Define public consultation and its rationale, and propose methods for ensuring effective public participation during the EIA process. **[25]**
5. As a Project Manager, you are responsible for proposing mitigation measures for identified environmental impacts. Describe the appropriate mitigation measures, the mitigation hierarchy, and the evaluation criteria for these measures. **[25]**

END OF PAPER