

PAPUA NEW GUINEA UNIVERSITY OF TECHNOLOGY
DEPARTMENT OF COMMUNICATION & DEVELOPMENT STUDIES
EXAMINATION QUESTION PAPER: SEMESTER 1, 2022

COURSE: Environment and social Impact Monitoring

CODE: CD 313

DATE: Tuesday 7th June, 2022 **TIME:** 1:00 pm – 3:00pm **VENUE:** CDS, RM 203.205.207

SUBJECT EXAMINER: Ms Ambelye

INSTRUCTIONS:

1. You have 10 minutes reading time to read through the paper.
2. You have **3 Hours** to do the EXAMINATION. In the **last 30 minutes** of the Examination, **NO ONE is allowed** to leave the Examination Room.
3. There are **5 PARTS** to this Examination Paper. You are required to answer **ALL** questions. The marks are indicated next to each part/question. **DO NOT** turn over this page until you are at Instruction No. 9 below.
4. **ALL ANSWERS** must be written in the EXAMINATION ANSWER BOOKLET provided. No other written materials will be accepted. You **ARE ALLOWED** to take the EXAMINATION QUESTION PAPER with you at the end of the examination.
5. Place your **STUDENT ID CARD** on your desk for the examiners to check.
6. **NO ELECTRONIC DEVICES, MOBILE PHONES and BAGS** are allowed in the Examination Room. **ONLY** your stationery (i.e. ruler, biros) is allowed.
7. **RULE a line through any mistakes;** correction fluid is not allowed.
8. **EXAMINATION ANSWER BOOKLET:**
 - 8.1 Write your **NAME, Student ID No., and LECTURER'S NAME. DO IT NOW!**
 - 8.2 Now, turn to your Examination ANSWER BOOKLET cover page and do the following: Read the "Information for Candidates" and follow the instructions accordingly!
9. **EXAMINATION QUESTION PAPER** (10 minutes Reading Time):
Check that you have pages 1 to 10 in your Examination Question Paper. The Examination Question Paper content is as follows:

Section	Question Nos.	Pages Nos.	Marks
PART A: Multiple Choices	1- 20	2 - 5	20
PART B: True/False	21- 30	6	10
PART C: Short Answers	31 - 42	7 - 9	30
PART D: Text Critique	43 - 46	9-10	10
PART E: Impromptu Essay	47	10	30
TOTAL MARKS			100

PART A – MULTIPLE CHOICE

(20 MARKS)

Read the questions carefully and choose the most correct answer from the alternatives given (A, B, C or D. Write it in the Answer Booklet provided.

QUESTION 1

The sustainable livelihood framework has five capitals. One is financial capital. What are the other four?
_____ capital

- A. Natural, human, social, infrastructure
- B. Communication, natural, social, physical
- C. Human, natural, social and physical
- D. Social, environment, human, communication

QUESTION 2

There are generally _____ stages in a mine project cycle.

- A. 3
- B. 4
- C. 6
- D. 2

QUESTION 3

In 1983 the United Nations established a commission (The World Commission on Environment and Development) to investigate the relationship between the environment and the goals and processes of development. What was the report that contained the findings called?

- A. Brundland Report
- B. Brundtland Report
- C. Brundland Rapport
- D. Brundtland Rapport

QUESTION 4

The final product of an environmental Impact Assessment (EIA) is;

- A. A social report
- B. A report
- C. An Environment statement
- D. A statement

QUESTION 5

Who is a proponent of a mining development project?

- A. Developer
- B. Landowner
- C. Government
- D. Contractor

QUESTION 6

A geography of global politics that also encompassed economic divisions can generally be classified into three categories. What are they? _____ nations

- A. Capitalist, western, communist
- B. Socialist, capitalist, communist
- C. Poor, socialist, capitalist
- D. Communist, poor, emerging

QUESTION 7

Social development has been defined as '... the incorporation of a _____ focus into general development efforts' (Marsden *et al.*, 1994: 10).

- A. male - oriented
- B. female - oriented
- C. children - oriented
- D. people - oriented

QUESTION 8

SIA may also be valuable for _____ and conflict management (Manring *et al.*, 1990).

- A. mediation
- B. meditation
- C. mitigation
- D. migration

QUESTION 9

Environmental impact assessment is now accepted as an essential part of development_____ and management.

- A. planning
- B. scoping
- C. screening
- D. operating

QUESTION 10

SIA can enable people to feed valuable ideas and knowledge into the decision- making _____. (Burdge and Vanclay, 1996: 60)

- A. Outcome
- B. process
- C. strategy
- D. procedure

QUESTION 11

Intrinsic knowledge of the environment is respect that is appropriate for the well-being and _____ of the people and, as importantly, define the rights of ownership over land, sea, and resources within the territory

- A. countenance
- B. dreams
- C. continuance
- D. desires

QUESTION 12

The birth of _____ as a major research focus and resource management tool is related to the attempted shift to an ecosystem-based management approach.

- A. TOK
- B. TAK
- C. TEK
- D. TIK

QUESTION 13

In most of Papua New Guinea's traditional practices, a child was taught at the earliest age to be responsible to the environment. Being responsible meant an investment in the _____ for future generations.

- A. development
- B. society
- C. economy
- D. environment

QUESTION 14

Social impact assessment, as required for the Environmental Impact _____ provides the developer with invaluable insights into the social environment of the project area people.

- A. Monitoring
- B. Mitigating
- C. Statement
- D. Assessment

QUESTION 15

Social mapping report provides the basis for an ongoing social monitoring program that will keep the developer informed as to the social changes and related tensions within the project _____.

- A. management
- B. proponent
- C. developer
- D. community

QUESTION 16

In what year was the International Association for Impact Assessment (IAIA) was founded, providing an

important forum for the exchange of EIA, SIA, technology impact assessment, and hazard and risk assessment news, views and research findings

- A. 1981
- B. 1971
- C. 1970
- D. 1980

QUESTION 17

No quantitative _____ can accurately describe the nature and level of development in a country

- A. reports
- B. measures
- C. statements
- D. references

QUESTION 18

In what year was the first *Human Development Report* published?

- A. 1990
- B. 1980
- C. 1970
- D. 1960

QUESTION 19

Screening would best take place at the _____ stage of a project cycle.

- A. construction
- B. production
- C. closure
- D. Exploration

QUESTION 20

What stage in the EIA process is described as: 'How to specify and narrow down the focus of the EIA, define the project area, alternatives and baseline data.'

- A. Impact mitigation
- B. Impact management
- C. Scoping
- D. Monitoring

PART B: TRUE/FALSE

(10 Marks)

Read through statements in related to Media and Development and write 'T' for True and 'F' for False beside each statement. All your answers must be written in and Answer Booklet provided

QUESTION 21

Quantitative and qualitative data captured in the development of the social baseline study should be compared, aligned and analysed using appropriate social science research methods like triangulation, and cause and effect analysis.

QUESTION 22

The proponent's approach and methodology for identifying and rating social impacts should be acceptable within its organisation and by the communities of interest.

QUESTION 23

Measuring the size of an economy says little about the welfare of the country in terms of the distribution of income among the population or the composition of outputs such as education and health care.

QUESTION 24

The purpose of an environmental impact statement (EIS) is to assess and monitor on a project's social, economic and environmental impacts and the measures proposed to avoid, manage, mitigate or offset the predicted impacts of the project. Impacts can be either positive (i.e. benefits and opportunities to capitalise on) or negative (i.e. adverse impacts to be managed).

QUESTION 25

An assessment of potential impacts and opportunities across each stage of the EIA process is to be informed by the social baseline study and the feedback from stakeholder engagement.

QUESTION 26

Well-functioning ecosystems act as reservoirs of biodiversity that underpin biological production of all types, including agriculture.

QUESTION 27

An assessment of potential impacts and opportunities across each stage of the project lifecycle is to be informed by the social baseline study and the feedback from stakeholder engagement.

QUESTION 28

Contemporary resource management has, until recent efforts, been guilty of isolating resources and species in both development and conservation planning.

QUESTION 29

Gardening takes place in the Rorobu. The trees are too tall and not easy to cut and clear

QUESTION 30

Environment Permit is found in Part 5 of the Environment Act 2000.

PART C: SHORT ANSWERS (30 Marks)

Read through the questions and answer them appropriately in the Answer Booklet. The marks are awarded accordingly.

QUESTION 31(1 marks)

What section of the environment Impact Statement (PNG) can the following information be found?

These details shall include but not limited to the following –

- information on the capital cost associated with the development,
- details of the proponent's technological expertise and resources,
- results of any feasibility investigations that has been carried out,
- information on the extent of landowner and/or resource owner support, including a copy of the formal written approval of their consent,
- details of the life-span and development phases of the project.

QUESTION 32 (3 marks)

Goulet, for instance, argues that three main components are central to the meaning and measurement of development. What are they?

QUESTION 33 (2 marks)

What is the definition of biodiversity according to the Convention on Biological Diversity (CBD)?

QUESTION 34 (1 marks)

What is Environment Impact Statement?

QUESTION 35 (7 marks)

List the 7 steps remaining steps in a social impact assessment. The first two are given.

- Develop a Public Involvement Plan
- Describe the Proposed Project/Policy & Alternatives

QUESTION 36 (2 marks)

What is Environment Act 2000 (PNG)?

QUESTION 37 (2 marks)

Describe what the diagram means in the light of development.

social

environment

economic

QUESTION 38 (2 marks)

Name the four ecosystem services?

QUESTION 39 (2 marks)

EIA takes place within the legal and/or policy and institutional frameworks established by individual countries and international agencies. EIA provision and procedure can contribute to successful implementation of project if these frameworks are adhered to.

Give an example of an international of such a policy or framework.

QUESTION 40

Read this short cloze and fill in the correct word for each blank to complete the paragraph.

In the impact and Monitoring Impact stage of the EIA process, detailed evaluation of the environmental and social impacts of the planned project and identified alternatives, compared to the baseline conditions. This includes _____ descriptions such as measuring high, medium and low impacts, and _____ descriptions, such as indicating the cubic meters of water withdrawn, sewage produced, and pollutants released.

This is done for the planned project as well as the identified alternatives, allowing for comparisons. Once the detailed assessment is complete, _____ measures to reduce or avoid impacts are identified.

41. (2 marks)

The Case: Sea-Bed Mining in New Ireland, PNG. *NISSA's Sea-Bed Mining Awareness Report* highlighted findings. List one of the 5 findings in the report.

42. (3 marks)

What does SLO stand for and what does it mean?

PART D: TEXT CRITIQUE (10 marks)

QUESTION 43 to 46

Instruction

- 1. Read the following extract from *The National Goals and Directive Principles of PNG*.**
- 2. Answer the questions that follow.**

This goal is based on four fundamental principles. These are:-

1. In considering the natural resources of Papua New Guinea, our human resources should be included. Our human talent should be directed to providing benefits to the majority of the people.
2. The basic concept in our society with regard to use of natural resources is that one generation holds and uses resources in the capacity of trustee for future generations. We, the generation of today, cannot squander our country's resources. We would clearly be failing in our responsibility if we sold our resources to foreigners for our own short term benefit, without regard to the needs of generations after us.
3. The resources of the world are limited. Our country and its resources are finite. For the sake of those who come after us, we must strictly limit the speed with which we exploit our natural resources. We must also replenish them as far as possible; (for example by replanting with new trees after mature trees have been cut down by a timber enterprise).
4. Our ancient animistic belief is that everything has a spirit. While this belief should not frighten us from "subduing the earth" for our collective benefit, it should remind us that blind destruction of the environment will lead not only to pollution but to the "death of the earth" which is vital to our nation.

QUESTION 43 (1 marks)

What is the name of this goal in *PNG's National Goals and Directive Principles*?

QUESTION 44 (1mark)

What stage of the EIA process can this goal be used?

QUESTION 45 (3 marks)

Name a stake holder that needs this information in the EIA process and why?

QUESTION 46 (5 marks)

Making reference to the case study your group researched as part of your assignment, do you think this goal was achieved? Explain in a paragraph.

PART E: IMPROMTPU ESSAY (30 marks)

QUESTION 47

Write an essay on the following question;

“Do you think Environmental and Social Impact Assessment on development activities and projects is not effective in PNG? Explain your answer.

Identify at least three reasons to support your view. Each reason should be developed adequately in a paragraph with examples to support your points. Examples can come from case studies you researched, Video of Wafi Golpu Project, Talk on Nautilus Solwara 1 project by Dr Orake, or others.

Note: *The essay should be in three parts: introduction, body and conclusion.*

Marking Criteria

1. Structure and logic	8
2. Content (ideas developed adequately and clearly in paragraphs).	15
3. Grammar and mechanics	5
4. Overall impression	2
TOTAL	/ 30

END OF EXAM.