

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF COMMERCE
DEPARTMENT OF BANKING**

**RISK MANAGEMENT AND VULNERABILITY ASSESSMENT
TECHNIQUES
DDMP 2001**

FINAL EXAMINATION

JULY 2008

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

Answer any FOUR (4) questions

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question or part question.

Questions may be written in any order, but must be legibly numbered.

The businesses in this question paper are intended to be fictitious.

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[Turn over]

QUESTION 1

Using examples of a hazard of your choice, identify the aspect of the environment that may be impacted by the disaster and explain how to determine the nature and extent of the impact.

TOTAL

[25 MARKS]

QUESTION 2

The environment cannot be made safer by technical means alone and the Pressure Release Model can be reversed to provide security instead of risk. Illustrate this statement by presenting and explaining a transformed version of the Pressure Release Model (PAR)

TOTAL

[25 MARKS]

QUESTION 3

Write brief notes of the following concepts:

- (a) Complex emergency
- (b) Disaster risk reduction
- (c) Vulnerability
- (d) Risk assessment
- (e) Risk

TOTAL

[25 MARKS]

QUESTION 4

- (a) Discuss why certain groups of a population are considered the most vulnerable in disaster situation. [10 marks]
- (b) Appraise the major factors that affect risk perception in disaster prone areas. [15 Marks]

TOTAL

[25 MARKS]

QUESTION 5

Comment on the statement “to embark on a systematic campaign of disaster risk reduction, planners and developers need to present convincing economic justification for the required investment in vulnerability reduction.”

TOTAL

[25 MARKS]

QUESTION 6

- (a) Account for the importance of information in effective risk management in disaster situation. [15 Marks]
- (b) If the goal of capacity building programme is to empower local communities to plan own risk reduction activities, argue why an outside stimulus is needed. [10 Marks]

TOTAL

[25 MARKS]