



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

DEGREE IN ENVIRONMENTAL HEALTH

SUPPLEMENTARY EXAMINATION PAPER 2007/2008

TITLE OF PAPER	:	ENVIRONMENTAL IMPACT ASSESSMENT
COURSE CODE	:	EHS 403
DURATION	:	2 HOURS
MARKS	:	100
INSTRUCTIONS	:	READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
	:	ANSWER ONLY FOUR QUESTIONS
	:	EACH QUESTION CARRIES 25 MARKS
	:	WRITE NEATLY & CLEARLY
	:	NO PAPER SHOULD BE BROUGHT INTO NOR OUT OF THE EXAMINATION ROOM
	:	BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR.

QUESTION ONE

- (a) List the content information that you would include in an Environmental Impact Statement (EIS)/Report. (5 marks)
- (b) List the steps taken in carrying out the Environmental Impact Assessment process. (5 marks)
- (c) Describe the role of public participation in the EIA process and discuss four advantages and four disadvantages of public involvement. (10 marks)
- (d) List any five ways of achieving a proper public involvement in the EIA process. (5 marks)

Total 25 Marks

QUESTION TWO

- (a) Explain what is meant by Environmental Auditing (5 marks).
- (b) Briefly describe the procedures and methods that you would follow when you are the team leader in an environmental auditing operation for an industry that manufacture pesticides (consider a phased approach of phase I Strategic Environmental Management Audit, phase II Subsidiary Audit and phase III Compliance Audit) (20 marks).

Total 25 Marks

QUESTION THREE

- Give at least ten general problems surrounding the development of alternatives in carrying out an Environmental Impact Assessment (EIA) process. (20 marks)
- Propose five ways of improving Alternatives development in order to enhance decision - making. (5 marks)

Total 25 Marks

QUESTION FOUR

- (a) List any five types of environmental auditing that you know (5 marks).
- (b) Discuss the importance of environmental auditing in solving and managing environmental problems/issues with specific reference to a real business need, highlighting issues of purpose, organizational aspect, integration, policies, resources, support services, guidelines, procedures, monitoring and evaluation (20 marks).

Total 25 Marks

QUESTION FIVE

Introduction:

Inyatsi Super Force, a major property developer in Swaziland, is planning an E300 million property development for a client around Big Bend in the Lubombo region. The project is aimed at the national and international tourist market and will take the form of a water front type of development and will include the following; Hotels, conference facilities, malls, water features, trams, restaurants, casino, entertainment venues, permanent displays centered around the gold and diamond industry as well as a museum and archaeological displays as well as places of historical interest. During the construction phase, 1,500 mainly unskilled Swazi laborers will be employed and after completion, this project will provide 600 permanent jobs for Swaziland. The project will be owned by the Tibiyo Taka Ngowane but the trustees and beneficiaries are undisclosed.

You and your company of environmental consultants have been approached by the project manager to handle the Environmental Impact Assessment part of the project. How will you approach this task? Give an outline of your strategy and the important steps in your approach., starting from preparation of plan of action and highlighting meetings literature review, team, visits, data collection, design, and reports.

Total 25 Marks

GOOD LUCK!!!!!!!