

**UNIVERSITY OF SWAZILAND**  
**Faculty of Health Sciences**

**(BSC) IN ENVIRONMENTAL HEALTH**

**SECOND SEMESTER FINAL EXAMINATION PAPER 2008**

**TITLE OF PAPER** : ENVIRONMENTAL IMPACT ASSESSMENT

**COURSE CODE** : EHS 403

**DURATION** : TWO HOURS

**MARKS** : 100

**INSTRUCTIONS** : ANSWER **ONLY FOUR** QUESTIONS.  
: QUESTIONS ONE AND TWO ARE COMPULSORY  
: EACH QUESTION CARRYS 25 MARKS  
: NO QUESTION PAPER SHOULD BE BROUGHT INTO NOT  
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) What is meant by environmental impact assessment? (2 marks)
- (b) Discuss a good EIA process based on the terms of international experience (12 marks)
- (c) Based on the Southern African experience, discuss three critical factors for a good EIA practice (5 marks)
- (d) List six distinct steps of the EIA process (6 marks)

**Total 25 Marks**

### QUESTION TWO

- (a) What is meant by environmental auditing? (4 marks)
- (b) Excluding the corporate environmental audit, list five types of environmental auditing (5 marks)
- (c) Briefly discuss the corporate environmental audit naming the three phases and highlighting the objectives of each phase (14 marks)

**Total 25 Marks**

### QUESTION THREE

- (A) Several groups of individuals are normally involved in the EIA process. Discuss the roles played in the process by:
  - a. Proponent (7 marks)
  - b. public facilitator (8 marks)
- (B) Understanding how the EIA links to the project life-cycle is essential for the successful management of the EIA process. List the six steps of the project's life-cycle (6 marks)
- (C) List the four general principles that any method chosen for an environmental impact analysis must address. (4 marks)

**Total 25 Marks**

### QUESTION FOUR

Compiling specialist terms of reference (TOR) and managing the specialist is another component of the EIA process that requires particular attention from the EIA project manager.

- (a) List the four aspects of managing the specialist study phase (4 marks)
- (b) Discuss each of the aspects you have listed in (a) above (21 marks)

**Total 25 marks**

## QUESTION FIVE

- (A) One of the criteria for successful environmental auditing is the commitment at all levels of management within the establishment. Discuss this statement. (10 marks)
- (B) An environmental audit may be divided into the *pre-audit activities, on-site activities and post audit activities*. Discuss the activities you would include in the *pre-audit activities* (15 MARKS).

**Total 25 Marks**