

UNIVERSITY OF SWAZILAND

Faculty of Health Sciences

(BSC) IN ENVIRONMENTAL HEALTH

SECOND SEMESTER FINAL EXAMINATION PAPER MAY 2015

TITLE OF PAPER : ENVIRONMENTAL MANAGEMENT

COURSE CODE : EHM 306

DURATION : TWO HOURS

MARKS : 100

INSTRUCTIONS : ANSWER ONLY FOUR QUESTIONS

: EACH QUESTION CARRIES 25 MARKS

: BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER

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

QUESTION ONE

Climate change is perhaps the biggest environmental issue facing us today. There are many natural causes of climate change, but many scientists now believe that human activities are also playing a role. How have human activities led to climate change and show how strong is the evidence that human activities have led to climate change.

(25 MARKS)

QUESTION TWO

- a) Name and discuss the main steps of adaptive environmental management (10 marks)
- b) List and write some brief notes on each of the key elements of integrated environmental management (5marks)
- c) Explain how the human ecology approach concept aligns with environmental management(5 Marks)
- d) Environmental management can adopt three distinct stances. Mention the stances and give their purposes. (5 marks)

(25 MARKS)

QUESTION THREE

- a) Environmental management may need to modify the activities and ethics of individuals, groups and societies to achieve its goals. Discuss examples of the main approaches which can be adopted to modify activities and ethics of individuals, groups and societies to achieve goals of Environmental Management. (10 marks)
- b) There is no such thing as a single 'best approach'; each situation has unique demands. Comment on this. Critically discuss whether this statement is correct or not. (10 marks)
- c) Environmental Management (EM) is faced with 'real-world' challenges. Name four of these challenges. (4 marks)
- d) In environmental management, Adams (1990) singled out two voiceless groups affected by or causing environmental change: 'the blind' and 'the dumb'. Give an explanation of the 'dumb'. (1 mark)

QUESTION FOUR

In the year 2000, member states of the United Nations undertook to try and achieve Millennium Development Goals (MDGs). However, only one of the eight goals actually pays much attention to environmental management. Name all MDGs and discuss the one paying attention to environmental management including its targets and environmental interventions.

(25 Marks)

QUESTION FIVE

- a) Environmental management can support sustainable development. Show how sustainable development can support environmental management. (2 marks)
- b) Write short notes on the environmental management concept known as Polluter's pay principle (5 marks)
- c) Marginalization usually means the weakening of livelihood, diminished standards of living, and more vulnerability to damage; in short, a poorer and more precarious position. Some groups are more prone to marginalization. Name the groups that are more prone to marginalization. (5marks)
- d) Explain why the public should be involved in environmental management? (5 marks)
- e) State the three distinct stances that are adopted by environmental management. (3marks)
- f) Write short notes on expert systems in environmental management (5 marks)

(25 MARKS)