



UNIVERSITY OF ESWATINI
Faculty of Health Sciences
Department of Environmental Health Science

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE
RÈ-SIT EXAMINATION PAPER 2020

TITLE OF PAPER : ENVIRONMENTAL HEALTH PROJECT DESIGN AND
MANAGEMENT

COURSE CODE : EHM405

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS : READ THE QUESTIONS & INSTRUCTIONS
CAREFULLY

: **QUESTION ONE IS COMPULSORY THEN ANSWER
ANY OTHER THREE QUESTIONS**

: **EACH QUESTION CARRIES 25 MARKS.**

: **WRITE NEATLY & CLEARLY**

: **NO PAPER SHOULD BE BROUGHT INTO THE
EXAMINATION ROOM.**

: **BEGIN EACH QUESTION ON A SEPARATE SHEET OF
PAPER.**

: **INDICATE YOUR PROGRAM**

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

QUESTION 1

Implementation of successful health interventions is solemnly dependent on a thorough assessment of the community. The PRECEDE- PROCEED model gives a clear guide on how to conduct the assessment and thus implement relevant interventions. The interventions are aimed at addressing the 3rd phase of the model.

- a) What is this third phase? [1]
- b) What does this phase entails? [4]
- c) Discuss in details giving appropriate examples where needed the 5 steps involved in this phase. [15]
- d) Discuss the difference between the last three evaluation phases. [5]

[25 MARKS]

QUESTION 2

Two things are crucial in overcoming project constraints. These are: understanding the environment and secondly a structured project cycle management.

- a) What do you understand about project environment? [3]
- b) Discuss how as a manager you would analyse the external environment. [15]
- c) What is meant by project cycle management? [2]
- d) What does the project cycle entails? [5]

[25 MARKS]

QUESTION 3

The government of Eswatini conducts needs assessment of the country through national surveys which are then referred to as the source of information for relevant interventions. Organizations therefore are expected to prioritize health needs within their portfolio and device strategies on how to address the health needs.

- a) What is meant by portfolio? [2]
- b) What is the relationship between portfolio management and project management? [5]

- c) Discuss the importance of prioritization. [5]
- d) Discuss 5 criterion that can be used to characterise health needs. [10]
- e) Once a health need has been prioritize, discuss the next phase in depth. [3]

[25 MARKS]

QUESTION 4

The University of Eswatini can also be defined as a community. Thus an intervention to foster collaborations between students and management has been initiated and you are part of the management.

- a) Discuss 5 core elements of a community. [10]
- b) Discuss using appropriate examples how your team will characterise and define the institution as a community. [15]

[25 MARKS]

QUESTION 5

Company B has engaged you to assist in the planning process for a health promoting intervention or project that will be implemented mid-year. The intervention population has been identified.

- a) Discuss the importance of planning for health projects. [5]
- b) Discuss the 9 steps to be taken prior to implementing the project. [18]
- c) What is the difference between the study and intervention population? [2]

[25 MARKS]