



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

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE
SUPPLEMENTARY EXAMINATION PAPER 2017

TITLE OF PAPER : ENVIRONMENTAL HEALTH PROJECT DESIGN

COURSE CODE : EHM 405

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.

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

QUESTION 1

Health environmentalists are tasked with the duty of ensuring that human populations have optimum control of their health. They are expected to deliver interventions aimed at meeting this goal. These interventions are delivered mostly as projects. The delivery of these interventions follow a certain structure called a project cycle. A project management plan is vital in the execution of the project.

- a) What is meant by project and how is it different from a programme? [6]
- b) Draw a diagram of a typical project life cycle showing clearly the phases involved. [6]
- c) State 5 advantages for developing a project life cycle during delivery of interventions. [5]
- d) What is meant by a "project management plan" and what are the constructs of this plan? [8]

[25 marks]

QUESTION 2

Health projects in developing countries have proven beyond any reasonable doubt that they fail to meet their intended goal(s) which is improving the health of the intended beneficiaries. Amongst the reasons for this failure, inadequate project environment analysis was vividly identified as the main cause.

- a) Explain what is meant by a project environment. [5]
- b) How do project managers analyse the project environment? [10]
- c) What are the advantages for analysing the project environment? [10]

[25 marks]

QUESTION 3

Projects are better facilitated through a project organizational structure.

- a) Discuss two roles a project organizational structure plays to ensure project success [4]
- b) Discuss the two factors that influence the process of developing the management structure. [6]
- c) One example of the organizational structure is the matrix based management structure. Describe this structure and give its advantages and disadvantages. [15]

[25 marks]

QUESTION 4

Project managers are considered as the engine of a project. They have a number of roles to play thus they are expected to have certain attributes. As part of their role in the success of a project they are expected to work with others known as project teams. Besides the formation of project teams, project managers are tasked with managing all the project stakeholders.

- a) Discuss the characteristic of a versatile project manager. [5]
- b) Discuss 5 characteristics of project teams. [5]
- c) Explain what is meant by stakeholder management and describe how the project manager ensures stakeholder co-operation during stakeholder management. (Hint: types of stakeholders and the role each play in the success of a project). [15]

[25 marks]

QUESTION 5

In the design of health projects, it is important that once the priority health need/ concern has been identified a detailed assessment is conducted.

- i. Define what is meant by detailed project assessment. [2]
- ii. What are the benefits of conducting a detailed project assessment? [10]
- iii. Explain how a detailed project assessment is different from a feasibility study. [3]
- iv. Discuss the five aspects of a project that are covered in a feasibility analysis. [10]

[25 marks]