



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

DEGREE IN ENVIRONMENTAL HEALTH SCIENCES
SUPPLEMENTARY EXAMINATION PAPER 2018

- TITLE OF PAPER : ENVIRONMENTAL HEALTH PROJECT DESIGN AND MANAGEMENT
- 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
 - : INDICATE YOUR PROGRAM IN YOUR ANSWER SHEET
 - : 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

Project managers are the engines of a project ensuring; that organizations achieve their goals as per plan. Their tasks involve balancing competing constraints which are however related to each another.

- a) State three constrains of your choice and state how they relate to one another. [5]
- b) Project management is also related to organizational project management.
 - i) What is meant by organizational project management? [3]
 - ii) How is organizational project management related to portfolio management? [4]
- c) In the quest to ensure projects are successful in meeting what they were initiated for, managers need to decide on a management theory to utilize. One of these theories in scientific management theory. Discuss this theory in terms of the following:
 - i) Principles [4]
 - ii) The Gantt chart as per Henry Gant [5]
 - iii) Limitations [2]
 - iv) Contributions to project management [2]

[25 MARKS]

QUESTION 2

Organizational management styles differ among organizations. An organization's management style defines the organization and influences the extent of that organization in meeting the organizational goals. However, the management style without resources is not effective in achieving the organizational goal. It is therefore important for an organization to plan around their financial resources through budgeting and implement the organizations activities effectively in a suitable management style to ensure accountability.

- a) One of the management styles is paternalistic style. Discuss this style in terms of the following:

- i) Definition [2]
- ii) Advantages [5]
- iii) Disadvantages [5]
- iv) How is this management style different from Laissez-faire management style? [5]
- b) Discuss the 4 phases of the budgeting cycle. [8]

[25 MARKS]

QUESTION 3

Community X's health status has been deteriorating in the past 4 years due to an ever increasing incidence of water borne diseases. However, during a needs assessment conducted by the local health office during a community meeting, members of the community complained that their livestock was dying due to lack of water in the community. The community seemed not concerned about the high incidence of water borne diseases.

- a) Define needs assessment. [2]
- b) What are the purposes of conducting a needs assessment? [5]
- c) Summarise the needs assessment process [10]
- d) What types of need is the increase in water borne diseases? [2]
- e) As a specialist in conducting needs assessment, what intervention or project would you implement as a priority in this community? Explain your answer [6]

[25 MARKS]

QUESTION 4

Upon prioritizing the health needs in Community P, improper waste disposal was identified as the priority need. Therefore, there is a need to conduct a detailed assessment on the priority need, improper waste disposal.

- a) Define detailed assessment in terms of:

- i) Definition [2]
- ii) Purposes [4]
- iii) Importance [5]
- iv) The three factors to be assessed directing the case for action [9]
- b) In the case of Community P, discuss the types and sources of information you will need for a thorough detailed assessment. [5]

[25 MARKS]

QUESTION 5

For the past six months, Schistosomiasis incidence rate has been escalating every month in the country. According to the recent reports, this incidence is high in the Shiselweni region compared to other regions. The national Bilharzia program has therefore hired you to implement a three year project aimed at addressing the disease.

- a) Discuss the five types of interventions you will have to implement in the country. [10]
- b) According to the report, the problem affects the whole population of the country. You were therefore requested to implement the activities of this project using the community approach.
 - i) Discuss this approach using appropriate examples [10]
 - ii) What are the advantages of this approach? Name 5 advantages [5]

[25 MARKS]