



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN ENVIRONMENTAL HEALTH
HEH 300/PPH 300: RESEARCH METHODS

DATE: Wednesday 4th April, 2012

TIME: 8.00 a.m. – 10.00 a.m.

SECTION A

Answer ALL questions in this Section.

Q1. Define the following terms as used in health research:

- | | |
|------------------------|-----------|
| a) Problem statement | [2 marks] |
| b) Operations research | [2 marks] |
| c) Research proposal | [2 marks] |
| d) Research design | [2 marks] |
| e) Plagiarism | [2 marks] |

Q2. In your area of jurisdiction as a Health manager, one of the daily news papers has reported an outbreak of Cholera in which 10 persons have been reported to have died of the disease in the last three days. It is suspected that one of the reasons for the outbreak is due to water shortages in the area. The Ministry of health has asked you to write a research proposal on factors contributing to the reported cholera out-break. Describe the following components of your research proposal:

- | | |
|-------------------------------------|-----------|
| i) State three specific objectives | [3 marks] |
| ii) State three hypotheses | [4 marks] |
| iii) State three research questions | [3 marks] |

SECTION B

Answer question 3 and any other TWO questions.

- Q3. a) Explain the reasons why literature review is important in health research. [8 marks]
 b) What does the literature review entail? [7 marks]
- Q4. You supervisor has asked you to design a structured interview schedule tool to be used in the field data collection in a study focusing use of family planning services of mothers residing in Kiambu district. Explain in detail how you can go about this. [15 marks]
- Q5. Discuss different types of probability sampling giving their advantages and disadvantages. [15 marks]
- Q6. Explain why most health researchers prefer to use experimental as opposed to Quasi-experimental approach. [15 marks]