



UNIVERSITY OF EMBU

2017/2018 ACADEMIC YEAR

SECOND SEMESTER EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
(COMMUNITY HEALTH)**

HCS 127: BASIC HEALTH SKILLS

DATE: APRIL 10, 2018

TIME: 2:00 – 4:00 PM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions

QUESTION ONE (30 MARKS)

Infection prevention is one of the key measures that should be taken when dealing with infected people

- a) Describe the different practices that should be observed to prevent the spread of infection
- i) Individual level (5 marks)
 - ii) Community level (10 marks)
- b) Disinfection is achieved through many ways in the health facility
- i) Explain 3 methods of decontamination that can be used in the health facility (6 marks)
 - ii) Describe three ways which are effective in high level decontamination (9 marks)

QUESTION TWO (20 MARKS)

Drugs are important in the treatment of different ailments

- a) State 5 formulations that are available in the market (5 marks)
- b) State seven routes of drug administration that can be used to deliver the drugs in to the body (7 marks)
- c) State 4 advantages of one route of drug administration mentioned above (4 marks)
- d) Identify the 4 classes of adverse drug reactions (4 marks)

QUESTION THREE (20 MARKS)

Once a drug is taken in to the body, various mechanisms will ensure that the drug will bring about the intended action in the body

- a) Explain how a drug taken via the oral route would reach its action target organ (pharmacokinetics) (8 marks)
- b) State the different effects that the drug may have on the body (Pharmacodynamics) (4 marks)
- c) State four food drug interactions that may occur in the body (4 marks)
- d) Explain how one would apply a topical cream when dressing a wound (4 marks)

QUESTION FOUR (20 MARKS)

Immunization plays a key role in the primary prevention of diseases.

- a) State four vaccines and their routes of administration that will be administered to a child at 10 weeks of age (8 marks)
- b) State 10 conditions that are immunizable in Kenya (10 marks)
- c) State 2 advantages that the killer vaccines (toxoids) have over the live vaccines (2 marks)

QUESTION FIVE (20 MARKS)

Different procedures are used in assisting a patient who is critically ill

- a) Describe 4 positions that the patient can be assisted to adopt in bed (12 marks)
- b) State four complications that may arise as a result of prolonged stay in bed (4 marks)
- c) Explain 2 ways that are used during pressure area care (4 marks)

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