

TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Applied & Health Sciences

Department of Environment & Health Sciences

**UNIVERSITY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMUNITY
HEALTH (BSCH 14S)**

APH 4211: BASIC LIFE SUPPORT AND EMERGENCY CARE (Y2S2)

END OF SEMESTER EXAMINATION

SERIES: MAY 2016

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. This paper consists of FIVE questions
 2. Answer question ONE (Compulsory) and any other TWO questions on the answer booklets provided.
 3. Do not write on this question paper.
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Question One (Compulsory)

- a. (i) Define Basic Life Support (2 marks)
(ii) List four categories of people that can offer Basic Life support (4 marks)
- b. State three common causes of an obstructed airway in an unconscious casualty (3 marks).
- c. (i) Differentiate between hyperthermia and fever (2 marks)
(ii) Name any three causes of hyperthermia (3 marks)
(iii) Name any two causes of hypothermia (2 marks)
- d. Outline the steps involved in providing First Aid to a 16 year old boy with nose bleeding (5 marks)
- e. Briefly describe the three stages of labour (3 marks)
- f. With reference to infection prevention and control:
 - (i) List any four interventions that could be used to reduce airborne infections (4 marks)
 - (ii) State any two conditions that increase susceptibility to nosocomial infections in communities (2 marks)

Question Two

You are a paramedic and respond to a scene of a possible cardiac arrest. A young man lies motionless on the pavement. He is having a few agonal gasps but otherwise appears lifeless. Bystanders report that he "just collapsed". The scene appears safe. No one has started

Cardio Pulmonary Resuscitation (CPR). The man otherwise appears healthy and is in casual, clean attire. There are no indications of trauma. He has stopped breathing as you approach and he is cyanotic

- a. Explain your initial actions in this scenario (16 marks)
- b.
 - (i) List two examples of shockable cardiac rhythms (2 marks)
 - (iii) State two examples of non shockable cardiac rhythms (2 marks)

Question Three

- a. Describe any five interventions that can reduce deaths from road traffic injuries in Low and Middle Income Countries like Kenya (10 marks)
- b. Outline the steps involved in providing First Aid at an accident scene (10 marks)

Question Four

- a. Define a disaster (2 marks)
- b. Describe any four potential sources of injuries during a disaster(8 marks)
- c. List four advantages of using the “START” triaging technique during a mass casualty incident (4 marks)
- d. Name six common ways in which people might show their distress in reaction to a crisis (6 marks)

Question Five

- a. Describe the four steps you would take if you discovered a fire at your workplace (8 marks)
- b. Outline the classification of fires and suggest how fires in each of the classes you have mentioned can be extinguished(12 marks)