



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH.

HSU 100: BASIC LIFE SUPPORT & EMERGENCY CARE

DATE: 2/12/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS

This paper consists of two sections A and B

Section A is compulsory

Section B choose any two (2) questions

SECTION A: COMPULSORY (30 MARKS)

QUESTION ONE

- a) Highlight three (3) purposes of First Aid (3 marks)
- b) State six (6) ways of minimizing the risk for cross contamination in First Aid (3 marks)
- c) Briefly explain how you would build trust with a casualty in an accident scene (3 marks)
- d) Identify three (3) aspects to look out for in a casualty suffering stroke (3 marks)
- e) Outline the steps taken in assessing a casualty (3 marks)
- f) Differentiate between focused examination and hands-on Check (3 marks)
- g) Identify six (6) signs of Shock (3 marks)
- h) Briefly explain how you would take care of a bruise (3 marks)
- i) Identify three (3) goals of Triage (3 marks)
- j) Identify three (3) advantages and three (3) disadvantages of helicopter transport in emergencies (3 marks)

SECTION B:

Specific Instructions

- This section has four (4) question
- Answer any two (2) questions
- Each question is 20 Marks

QUESTION TWO (20 MARKS)

- a) You are in charge of an accident scene and are confident that all life threatening conditions have been addressed. Discuss how you would undertake a secondary assessment to check for conditions that may not be as obvious (10 marks)
- b) Classify and discuss the various types of Burns (10 marks)

QUESTION THREE (20 MARKS)

- a) Mercy your next door neighbor's nanny has been feeding their one year old baby when he suddenly chokes on the food. Describe how you would deal with the choking incident (10 marks)
- b) i Most casualties in motor traffic accidents in Kenya die of undetected internal bleeding. Discuss the signs to look out for in a casualty with internal bleeding (8 marks)
- ii Explain why you would not administer water to such a casualty (2 marks)

QUESTION FOUR (20 MARKS)

- a) Discuss the possible physical and mental characteristics of a casualty with possible Head, Neck and Spinal injuries (10 marks)
- b) June your sister has suddenly gone into labor in the village and the nearest facility is miles away and is quickly progressing to child birth. Discuss how you would help her to birth her baby safely. (10 marks)

QUESTION FIVE (20 MARKS)

- a) A speeding motorist who is late for a meeting approaches a road junction and goes through a traffic light that has just turned red. He hits a motorcyclist, for whom the lights had just turned green. The motorcyclist, who is not wearing a helmet, suffers severe head injuries. The motorist suffers facial injuries. The police find out that the motorist had not put on his seat-belt. Using the Haddon matrix, identify the pre-crash and crash risk factors related to the driver and the motorcyclist (14 marks)
- b) Describe how you would deal with the following eye injuries
- i. Object Impaled in the eye
- ii. Chemicals in the eye
- iii. Flash burn (6 marks)