



(UNIVERSITY OF CHOICE)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY**

(MMUST)

MAIN CAMPUS; KAKUMA CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

MAIN EXAM

FOR THE DEGREE OF

**BACHELOR OF SCIENCE IN NUTRITION & DIETETICS &, BSc
HOSPITALITY & INSTITUTION MANAGEMENT**

COURSE CODE: HND 105

**COURSE TITLE: FIRST AID, BASIC LIFE SUPPORT & PRE-HOSPITAL
CARE**

DATE: 29-04-2022

TIME: 2-5pm

INSTRUCTIONS TO CANDIDATES

Answer all questions

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 4 Printed Pages. Please Turn Over.

SECTION A- MULTIPLE CHOICE QUESTIONS (MCQS) 1-10 ANSWER ALL QUESTIONS TOTAL =10 MARKS

1. When performing chest compressions on an adult during 2 person CPR, you would deliver them at a rate of _____ and ratio of _____
 - A. 100/min, 30: 2
 - B. 60/min, 30:2
 - C. 60/min, 15:2
 - D. 100/min, 15:2
2. Which of the following statements is **INCORRECT** about performing chest compressions?
 - A. Allow partial recoil of the chest
 - B. Press down at least 2 inches in adults
 - C. Position yourself at the side of the victim
 - D. Minimize interruptions
3. The next step after performing 30 high quality chest compressions on an adult victim is ...
 - A. Give 2 rescue breaths
 - B. Continue with compressions at 30/min for 5 cycles
 - C. Activate the emergency response system
 - D. Check for a pulse
4. You suspect a head and neck injury in a victim who is unresponsive and not breathing. How would you open the airway to give breathe?
 - A. Jaw-thrust technique
 - B. Head tilt-chin lift
 - C. E-C clamp technique
 - D. Thumb & index lift
5. How do you know the victim is receiving adequate breath during CPR?
 - A. The victim's chest rises
 - B. The victim's stomach rises
 - C. There is no definite way to tell without medical intervention.

- D. The victim's chin begins to move forward.
6. During 2 rescuer CPR on an adult how many cycles of CPR do you perform before switching roles?
- A. 5 cycles
 - B. 10 cycles
 - C. 30: 2 cycles
 - D. 4 cycles
7. What technique is used for bag-mask ventilation during 2 rescuer CPR?
- A. Jaw-thrust technique
 - B. Thumb-index technique
 - C. E-C clamp technique
 - D. None of the options are correct
8. You are the 1st rescuer to arrive at the side of a victim. The very 1st step you take is to...
- A. Make sure the scene is safe
 - B. Tap the victim's shoulder for responsiveness
 - C. Check for breathing
 - D. Attach the AED pads
9. In order to assess for a pulse in an adult victim, you would assess the _____ for how long...
- A. carotid pulse, for at least 5 seconds but no more than 10 seconds
 - B. carotid pulse, for 10-12 seconds
 - C. femoral pulse, for at least 5 seconds but no more than 10 seconds
 - D. radial pulse, for 10-12 seconds
10. After you assess a victim's pulse and do not feel one, what is the next step?
- A. Start high quality chest compressions at a rate of 100/min
 - B. Start high quality chest compressions at a rate of 60/min
 - C. Give 2 rescue breaths
 - D. Activate the emergency response system

SECTION B: SHORT ANSWER QUESTIONS (SAQS)

ANSWER ALL QUESTIONS

30 MARKS

11. Explain the rationale behind the Thoracic pump theory in cardio pulmonary resuscitation (6 marks).
12. Differentiate between sprains and strains (6marks).
13. Explain four reasons why casualty should not be moved from the scene (6 marks).
14. Describe the contents of first aid kit (6 marks).
15. Explain the secondary assessment of the casualty (6 marks).

SECTION C: LONG ANSWER QUESTIONS (LAQS)

ANSWER ANY TWO QUESTIONS

30MARKS

16. Describe the procedure for managing multiple casualties (15 Marks)
17. Elaborate the steps you will carry out to assist a victim of choking who is conscious (15 Marks).
18. Describe the major comments of pain assessment 15 Marks