**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF FIRST SEMESTER EXAMINATION**

**MARCH 2013 KRCHN CLASS (PRE-SERVICE)**

**TRAUMA & EMERGENCY EXAMINATION**

DATE: 11/9/2013 TIME: ..................

**INSTRUCTIONS**

1. Enter your examination number and question number on each page used.
2. ALL questions are compulsory.
3. For part 1 (MCQs), write the answer in the spaces provided on the answer booklet.
4. For Part 2 (SHORT ANSWER QUESTIONS), answer to each question MUST be done on a separate sheet of paper.
5. For Part 3 (LONG ANSWER QUESTIONS), answer to each question MUST be done on a separate sheet of paper.
6. Omission of and or wrong numbering of a question or part of the question will result in 10% deduction of the marks scored from the relevant part.
7. Do NOT use a pencil.
8. Mobile phones are NOT allowed in the examination hall.

**PART ONE: MCQS (MULTIPLE CHOICE QUESTIONS) TRAUMA & EMERGENCY – 15 MARKS**

Q.1. Assessing the situation priorities are:

1. Identify any risks to yourself to the casualty and to bystanders.
2. Get help from others.
3. Telephone for assistance.
4. Fetch first aid equipments.

Q.2. Secondary survey uses some external clues to concretize the history:

1. Blood, drugs, bracelets.
2. Bystanders, puffer.
3. Warning bracelets, puffer.
4. Drugs, puffer, warning bracelets, auto injector.

Q.3. Breaks into the skin of the body surfaces are known as:

1. Fractures.
2. Dislocation.
3. Burns and scalds.
4. Wounds.

Q.4. Conditions that comes as a result of failure of the circulatory to supply oxygen to the vital body organs:

1. Hyperventilation.
2. Fainting.
3. Unconsciousness.
4. Shock.

Q.5. Stress can manifest itself in many different ways including:

1. Over powered, fearfulness.
2. Doubts, flashbacks.
3. Tremors, sweating, flashbacks, nightmares, fearfulness, tension, withdrawal.
4. Tremors, bleeding, coma.

Q.6. Snake bite:

1. Apply a tourniquet, slash the wound with a knife.
2. Suck out the venom.
3. Pour vinegar directly on the wound.
4. Gently wash the wound and pat dry with clean swabs.

Q.7. The correct actions in controlling seizures in children:

1. Use force to restrain the child, cool child.
2. Put child in supine position, call ambulance.
3. Sponge with cold water, put child in recovery position.
4. Protect the child from injury, cool child, and sponge with tepid water, put child in recovery position, call ambulance.

Q.8. Triage:

1. Identify the serious casualties and mark them for immediate treatment.
2. Alert workers or residents near the site of disaster to any further hazards.
3. To find out what happened.
4. Check for response.

**PART ONE: MCQS (MULTIPLE CHOICE QUESTIONS) TRAUMA & EMERGENCY – 15 MARKS**

Q.9. Which one is not among the complications of fractures:

1. Infection.
2. Fat embolism.
3. Bleeding.
4. Osteoporosis.

Q.10. Functional residual capacity (FRC):

1. Volume of air remaining in the lungs after forced expiration.
2. Amount of air remaining in the air passages and alveoli at the end of quiet expiration.
3. Amount of air passing into and out of the lungs during each cycle of breathing.
4. Maximum volume of air which can be moved into and out of the lungs.

Write True or False for **Q.11**. – **Q.14**.

Q.11. Primary survey is assessing for life threatening conditions that need emergency first aid.

Q.12. Dealing with fire, remove any one of the components triangle of fire ignition, source, oxygen.

Q.13. Death by drowning occurs when water cannot get into the lungs.

Q.14. Stress cannot interfere with a person’s physical and mental well being.

Q.15. Assess for AVPU code include:

1. A.
2. V.
3. P.
4. U.

**PART TWO: SHORT ANSWER QUESTIONS TRAUMA & EMERGENCY – 39 MARKS**

Q.1. Define unconsciousness. 1 mark

Q.2. Explain two (2) ways for looking after yourself. 6 marks

Q.3. Discuss the process of blood clot formation. 6 marks

Q.4. State nine (9) factors that delay healing of fractures. 10 marks

Q.5. Explain the procedures of helping casualty with clothing on fire. 10 marks

Q.6. State six (6) actions done at an emergency. 6 marks

**PART THREE: LONG ANSWER QUESTIONS (ESSAYS) TRAUMA & EMERGENCY – 20 MARKS**

Q.1. Mr X 29 years old bitten by an animal (human) found unconsciousness lying on the ground.

1. Define animal bite. 1 mark
2. List five (5) types of bites and stings. 5 marks
3. State at least ten (10) recognition of bites/stings. 5 marks
4. Explain the immediate management of Mr X. 9 marks