**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR ONE SEMESTER TWO EXAMINATION**

**SEPTEMBER 2014 KRCHN CLASS (PRE-SERVICE)**

**MED/SURGICAL NURSING EXAMINATION**

DATE: …………………… TIME:…………………..

**INSTRUCTIONS**

1. Read the questions carefully and answer only what is asked.
2. Enter your examination number and question number on each page used.
3. ALL questions are compulsory.
4. For part 1 (MCQs), write the answer in the spaces provided on the answer booklet and each MCQ is one (1) mark.
5. For Part 2 (SHORT ANSWER QUESTIONS), answer the questions following each other.
6. For Part 3 (LONG ANSWER QUESTIONS), answer to each question MUST start on a separate page.
7. 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.
8. Do NOT use a pencil.
9. Mobile phones are NOT allowed in the examination hall.

For Examiner:

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| --- | --- | --- | --- | --- |
| **MCQS** | **SAQS** | **LAQS 1** | **LAQS 2** | **TOTAL** |
|  |  |  |  |  |

**PART ONE: MCQS ANSWER QUESTIONS – MED/SURGICAL – 5 MARKS**

Q.1. The following includes the chain of infection:

1. Causative agent – mode of transmission – reservoir – portal of entry – portal of exit – susceptible host.
2. Causative agent – reservoir – mode of transmission – portal of exit – portal of entry – susceptible host.
3. Causative agent – reservoir – portal of exit – mode of transmission – portal of entry – susceptible host.
4. Causative host – reservoir – portal of entry – mode of transmission – portal of exit – susceptible host.

Q.2. What is infection:

1. Body’s sequential response or reaction to the cell injury.
2. It is the activation of the body’s immune system.
3. Invasion of the body by microorganisms.
4. Invasion of the body by the pathogen and resulting signs and symptoms in response.

Write true or false for Q.3 – Q.5.

Q.3. Neutrophils have a life span of 6 – 12 hours.

Q.4. Potassium is the major extra cellular fluid cation.

Q.5. Sodium is the major extra cellular fluid cation.

**PART TWO: SHORT ANSWER QUESTIONS – MED/SURGICAL – 15 MARKS**

Q.1. State three (3) clinical presentations of fluid volume deficit. 3 marks

Q.2. List six (6) mediators of inflammation. 3 marks

Q.3. Explain the phase of shock . 3 marks

Q.4. Classify burns according to the extent of total surface area. 3 marks

Q.5. Explain how you will manage a patient suffering from tetanus. 3 marks

**PART THREE: LONG ANSWER QUESTIONS – MED/SURGICAL – 20 MARKS**

Q.1. (a) Briefly explain the pathophysiology of inflammation. 8 marks

(b) Formulate two (2) nursing diagnosis of a patient who has 360 burns. 2 marks

Q.2. (a) Discuss the various types of shock. 7 ½ mark

(b) Write short notes on rennin, angiotensin, aldosterone system as it regulates

body fluid and blood pressure.