**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR ONE SEMESTER TWO EXAMINATION**

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

**BLOOD DISORDERS EXAMINATION**

DATE: 3/6/2015 TIME:1.30 – 4.30PM

**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 the questions following each other.
5. For Part 3 (LONG ANSWER QUESTIONS), answer to each question MUST start on a separate page.
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.

For Examiner:

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

**PART ONE: MCQS (MULTIPLE CHOICE QUESTIONS) BLOOD DISORDERS– 5 MARKS**

Q.1. The main function of the thymus gland is the:

1. Production and proliferation of B-cells.
2. Maturation and differentiation of T-cells.
3. Stimulation and dissemination of red and blood cells.
4. Stimulation and production of thyroid hormone.

Q.2. Blood cells responsible for maintenance of the body’s immunity are:

1. Thrombocytes, phagocytes.
2. T-helper lymphocytes, thrombocytes.
3. Lymphocytes, phagocytes.
4. B-lymphocytes, erythrocytes.

Q.3. Mrs Ngumo is suspected of having Heinekens diseases has been admitted to the ward. Which of the following questions would a nurse ask to support the diagnosis?

1. Do you wake up sweating during the night?
2. Do you urinate more frequently.
3. Have you noticed recent memory lapse?
4. Have you experienced visual changes lately?

Q.4. Leucocytes:

1. Basophils, platelets, lymphocytes.
2. Lymphocytes, basophillis, eosinophils.
3. Platelets, basophils, thrombocytes.
4. Lymphocytes, thrombocytes, eosinophils.

Q.5. Thrombocytopenia:

1. Increased volume of red blood cells.
2. Increased in platelet production.
3. Decreased volume of red blood cells.
4. Decrease in platelet production.

**PART TWO: SHORT ANSWER QUESTIONS – BLOOD DISORDERS – 15 MARKS**

Q.1. Describe the management of a patient suffering from sickle cell crisis. 6 marks

Q.2. Briefly discuss the following conditions:

1. Acute myeloid leukemia (AML).
2. Haemophilia.
3. Non-Hodgkin’s lymphoma. 9 marks

**PART THREE: LONG ANSWER QUESTIONS – BLOOD DISORDERS – 20 MARKS**

Q.1. Baby Kiki has been admitted ion the ward with severe anaemia.

1. State five (5) causes of anaemia. 5 marks
2. Describe the management of Baby Kiki. 10 marks
3. Outline the health messages you will give to the parents of Baby Kiki

on discharge. 5 marks