**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR ONE SEMESTER TWO EXAMINATION**

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

**BLOOD DISEASES 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 (MULTIPLE CHOICE QUESTIONS) BLOOD DISEASES– 5 MARKS**

Q.1. The following statements are true about lymphangitis. Which one is not?

1. It is a primary disorder.
2. It presents with myalgia, local pain and edema.
3. It occurs from acute streptococcal infection.
4. It is inflammation of one or more lymphatic vessels.

Q.2. A normal adult has approximately:

1. 3 – 4 litres of blood.
2. 2 - 4 litres of blood.
3. 6 – 9 litres of blood.
4. 5 – 6 litres of blood.

Q.3. The type of WBC responsible for protection against viral infection is:

1. Lymphocytes.
2. Monocytes.
3. Eosinophils.
4. Neutrophils.

Q.4. Haemophilia is a condition due to lack of:

1. Clotting factor 2 and 10.
2. Clotting factor 2 and 9.
3. Clotting factor 8 and 9.
4. Clotting factor 7 and 8.

Q.5. Acute infection will show up in the blood as:

1. Leucopoenia.
2. Leucocytosis.
3. Too few helper cells.
4. Thrombocytopenia.

**PART TWO: SHORT ANSWER QUESTIONS – BLOOD DISEASES – 20 MARKS**

Q.1. Explain the pathophysiology of disseminated intravascular coagulation. 5 marks

Q.2. State four (4) clinical manifestation of haemolytic anemia. 4 marks

Q.3. Explain the clotting mechanism of blood. 5 marks

Q.4. Describe the medical and nursing management of lymphedema. 6 marks

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

Q.1. Ms Moraa 16 year old is admitted with sickle cell crisis in paediatric ward.

1. Explain the pathophysiology of sickle cell disease that leads to painful joints. 6 marks
2. State four (4) crises in sickle cell anaemia. 4marks
3. Describe the management of Ms Moraa crisis in resolved. 10 marks