**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR 2 SEMESTER 1 EXAMINATION**

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

**ENDOCRINE DISEASES EXAMINATION**

DATE: 27/2/2015 TIME:8.30 – 11.30pm

**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) ENDOCRINE– 10 MARKS**

Q.1. Growth hormones levels increases during the following except:

1. Rest.
2. Exercise.
3. Starvation.
4. Sleep.

Q.2. Cretinism can be differentiated from hypopituitary dwarf:

1. Short stature.
2. Normal stature.
3. Low IQ.
4. Genetic.

Q.3. Complications at diabetic mellitus is mainly due to:

1. High blood sugars.
2. Raised serum lipids.
3. Raised glucagons.
4. Raised urine sugars.

Q.4. Tetany occurs when the serum calcium levels falls below:

1. Less than 60%.
2. More than 50%.
3. Less than 50%.
4. More than 60%.

Q.5. The confirmatory signs of hyperthyroidism include:

1. Extreme coldness, generalized osteoitis fibrosa cystica.
2. Loss of weight, increased neuro-muscular, excitability, tachycardia.
3. Warm selin, exopthalmus, painful finger spasms.
4. Sweating, decreased metabolic rate.

**PART TWO: SHORT ANSWER QUESTIONS – ENDOCRINE – 20 MARKS**

Q.1. State the pathophysiology of diabetic insipidus .

Q.2. State the pathophysiology of acromegaly. 4 marks

Q.3. State the pathophysiology of diabetic mellitus. 5 marks

**PART THREE: LONG ANSWER QUESTIONS – ENDOCRINE – 20 MARKS**

Q.1. Master Edwin 7 months old has been admitted to paediatric ward with diagnosis of cretinisms.

1. Define cretinism. 1 mark
2. State the three (3) types of cretinism. 6 marks
3. State four (4) causes of cretinism. 4 marks
4. State four (4) signs and symptoms of cretinism. 4 marks
5. Outline the specific nursing management given to Master Edwin. 4 marks