**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR TWO SEMESTER ONE EXAMINATION**

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

**ENDOCRINE 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) ENDOCRINE– 5 MARKS**

Q.1. Prolonged inappropriate elevation of corticoscleroids leads to:

1. Diabetic mellitus.
2. Thylotoxicoses.
3. Acromegaly.
4. Cushing’s syndrome.

Q.2. Complications of diabetic mellitus is mainly due to:

1. Raised glucagon.
2. Raised serum lipids.
3. Raised serum in urine.
4. High glucose levels.

Q.3. The following are features of Addison’s disease:

1. Hyperpigmentation.
2. Hypotension.
3. Hypokalaemia.
4. Hyponatremia.

Q.4. (i) In pregnancy glomerular filtration rate is decreased increasing filtered load of glucose.

(ii) Minority of diabetic type one is asymptomatic.

Q.5. Growth hormone is anti-aging agent because:

1. Increases protein deposition in the body.
2. Decreases fat deposits.
3. Feeling of increased energy and drive.
4. All of the above.

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

Q.1. State three (3) signs and symptoms of simple goitre. 3 marks

Q.2. Outline the pathophysiology of hyperthyroidism. 5 marks

Q.3. State three (3) types of cretinism. 6 marks

Q.4. Outline nursing management of Simmons disease. 6 marks

Q.5. Explain the pathophysiology of Simmons disease. 5 marks

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

Q.1. Mrs K 45 years has been diagnosed with diabetic mellitus for the first time and is admitted in a medical ward for observation. RBS of 20.1mmo/dl.

1. State two modifiable and two non-modifiable risk factors of diabetic mellitus. 4 marks
2. Describe the management of Mrs K from admission till discharge. 10 marks
3. Outline four (4) components of diabetic education to Mrs K. 4 marks
4. List four (4) complications of diabetic mellitus. 2 marks