**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR TWO SEMESTER ONE EXAMINATION**

**SEPTEMBER 2015 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 ANSWER QUESTIONS – ENDOCRINE – 5 MARKS**

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

1. Diabetic mellitus.
2. Thyrotoxicosis.
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 except:

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

Write true or false forQ.4.

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

(b) Minority of diabetic type one are 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

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

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