**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR TWO SEMESTER ONE EXAMINATION**

**MARCH 2015 KRCHN CLASS (PRE-SERVICE)**

**ENDOCRINE EXAMINATION**

DATE: 3/11/2016 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–10 MARKS**

Q.1. Hypoglycaemia is due to the following:

1. Too much of glucose lost.
2. Balance caused by vomiting and diarrhoea.
3. Insufficient food to cover the insulin given.
4. Excessive exercise with additional carbohydrates.

Q.2. A positive crosstalk’s sign is manifestation of:

1. Hypocalcemia.
2. Hyper calcenia.
3. Hypokalemia.
4. Hypermagnesemia.

Q.3. Appropriate medication to reverse hypertensive crisis caused by pheochromocytoma is:

1. Mannitol (osmitrol)
2. Methyldopa (aldomet)
3. Phentolamine (regitimane)
4. Felodopine (plendil)

Q.4. The following is characteristic of athrotic type of cretinism:

1. Genetic disorder.
2. Occurs in regions of endemic goitre.
3. It is marked by deafness, mutism and spacitity.
4. Destruction of fetus thyroid during pregnancy.

**PART TWO: SHORT ANSWER QUESTIONS – ENDOCRINE – 21 MARKS**

Q.1. State at least five (5) specific management of pheochiomocytoma after surgery. 5 marks

Q.2. State the pathophysiology of simple goitre. 5 marks

Q.3. Formulate three (3) nursing diagnosis of a patient with acromegally. 3 marks

Q.4. Explain briefly how cretinism can be prevented. 6 marks

Q.1. Write the hormones the following glands produce:

1. Parathyroid.
2. Pineal body.
3. Adrenal medulla.
4. Pancrease. 2 marks

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

Q.1. Mrs Z 50 years is admitted with a diagnosis of diabetic mellitus with a random blood sugar of 24mmol/dl.

1. Differentiate diabetic mellitus and diabetic insipidus. 2 marks
2. Describe the pathophysiology of diabetic mellitus. 6 marks
3. Describe the management of Mrs Z until discharge. 12 marks