**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR THREE SEMESTER ONE EXAMINATION**

**MARCH 2016 KRCHN CLASS (PRE-SERVICE)**

**OPHTHALMOLOGY 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 : MCQ (MULTIPLE CHOICE QUESTIONS) OPHTHALMOLOGY – 5 MARKS**

Q.1. Local treatment of the eye conditions involves the following:

1. Ointments and oral medications
2. Eye drops and ointments
3. Oral medications and injectibles
4. None of the above

Q.2. The following is true about meiotic drugs used for eye treatment:

1. They constrict the eye pupil allowing aqueous humour to flow easily
2. Used for both local and systemic treatment
3. They dilate the eye pupil by relaxing the iris sphincter
4. An example include atropine 1% eye drops

Q.3. Visual acuity, is used to:

1. Test for colour vision
2. Test for central vision
3. Test for peripheral vision
4. Detect problems with the retina structure

Q.4. In close (near) vision, three processes are involved except?

1. Convergence of the lens
2. Accommodation of the lens
3. Constriction of the pupil
4. Convergence of the eye ball

Q.5. Intra-ocular pressure remains fairly constant between:

1. 40 – 100MmHg
2. 20 – 40 MmHg
3. 0.5 – 15 MmHg
4. 10 – 20 MmHg

**PART TWO : SAQ (SHORT ANSWER QUESTIONS) OPHTHALMOLOGY – 27 MARKS**

Q.1. State five (5) information gathered during history taking on eye assessment 5 marks

Q.2. Describe the visual path way 5 marks

Q.3. (a) Define the term cataract 2 marks

(b) Outline three (3) types of cataract 5 marks

Q.4. Outline five (5) factors contributing to retinal detachment 5 marks

Q.5. State five (5) complications of conjunctivitis 5 marks

**PART THREE: LAQ (LONG ANSWER QUESTIONS) OPHTHALMOLOGY – 20 MARKS**

Q.1. Glaucoma is among the leading causes of blindness in Kenya.

1. Define glaucoma 2 marks
2. State three (3) causes of glaucoma 3 marks
3. Outline five (5) clinical features of open-angle glaucoma 5 marks
4. Discuss the nursing strategies for prevention of blindness 10 marks