**KENYA MEDICAL TRAINING COLLEGE – NYAMIRA**

**END OF YEAR 1 SEMESTER TWO EXAMINATION**

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

**RESPIRATORY CONDITIONS EXAMINATION**

DATE: 28/4/2016 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) RESPIRATORY DISEASES – 10 MARKS**

Q.1. Bluish discoloration of the skin and mucus membrane can be due to:

1. Increased blood supply to the gastrointestinal tract.
2. Reduced oxygen supply to the tissues.
3. Reduced blood glucose level to the body tissues.
4. None of the above.

Q.2. Wheezing:

1. Is a low volume sound due to narrowing of the bronchi.
2. Passage of air against a closed glottis.
3. Is a high pitched musical sound due to narrowing of the air passage.
4. Can be heard using a stethoscope.

Q.3. Match the following terminologies as used in respiratory disorders with the correct meaning below:

1. Hypoxemia.
2. Hypocapnia.
3. Dyspnoea.
4. Rapid breathing.
5. Increased level of carbon dioxide in blood.
6. Decreased level of oxygen in blood.
7. Bluish discolouration of skin and mucus membrane.
8. Decreased level of carbon dioxide in the blood.

**PART TWO: SHORT ANSWER QUESTIONS – RESPIRATORY CONDITIONS – 20 MARKS**

Q.1. State four (4) clinical features of bronchitis. 4 marks

Q.2. Briefly describe the following abnormal long sound:

1. Crackles.
2. Rhonchi.
3. Wheeze. 6 marks

Q.3. List six (6) clinical signs of bronchiectasis. 3 marks

Q.4. State two (2) types of pneumonia according to the areas involved. 4 marks

Q.5. State three (3) possible nursing diagnosis applicable for the patient suffering from pneumonia. 3 marks

**PART THREE: LONG ANSWER QUESTIONS – RESPIRATORY CONDITIONS – 20 MARKS**

Q.1. Mr Aden is a boda boda rider and he had road traffic accident. He was brought to the facility and a diagnosis of chest injury (flail chest) was made.

1. Define a flail chest. 2 marks
2. Briefly explain two (2) types of flail chest. 4 marks
3. State four (4) clinical features of a flail chest. 4 marks
4. State three (3) types of pneumothorax. 6 marks
5. Outline four (4) complications of chest injury. 4 marks