



Index number

**CEYLON MEDICAL COLLEGE COUNCIL
PHARMACISTS' EXAMINATION (EXTERNAL) – DECEMBER 2022**

PAPER II – STRUCTURED ESSAY QUESTIONS (SEQ)

Date: 17.12.2022

Time: 9.00 a.m. – 12.00 noon

ANSWER ALL FIVE (5) QUESTIONS WITHIN THE SPACE PROVIDED

Write your index number in each and every page

Duration is 3 hours for both the Multiple Choice Question (MCQ) Paper and the Structured Essay Question (SEQ) Paper. (Suggest spending 150 minutes for the MCQ Paper and 30 minutes for the SEQ Paper)

Question 1.

A 2-year-old child requires 125 mcg of ipratropium bromide for a single nebulization. Ipratropium bromide nebulizer solution strength is 0.25 mg/mL. The nebulizer requires 3 mL of solution for a single nebulization (this includes the drug and the diluent).

Calculate, with justification, the volume of ipratropium bromide nebulizer solution required to administer a single nebulization (this volume of ipratropium bromide solution will be dissolved into a 3 mL solution at nebulization).

(20 marks)

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Question 2.

2.1 Name a suitable diluent for nebulizer solution (5 marks)

.....

2.2 Write three (3) reasons why the diluent mentioned in 2.1 is suitable for the dilution of nebulizer solutions (15 marks)

1.

.....

2.

.....

3.

.....

Question 3.

3.1 Write four (4) advantages of nebulization of medicines (10 marks)

1.

2.

3.

4.

3.2 Write four (4) reasons why nebulizers may not deliver the intended dose of the medicine to the patient (10 marks)

1.

2.

3.

4.

Question 4.

4.1 Name two (2) types of nebulizers? (4 marks)

1.

2.

4.2 Name four (4) parts of one type of nebulizer mentioned in 4.1 above (16 marks)

Specify the type of nebulizer which you are identifying the parts:

1.

2.

3.

4.

Question 5.

Write five (5) ways of minimizing dispensing errors prior to issuing nebulizer solutions (20 marks)

1.

.....

2.

.....

3.

.....

4.

.....

5.

.....

END

