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**CEYLON MEDICAL COLLEGE COUNCIL  
PHARMACISTS' EXAMINATION (EXTERNAL) – DECEMBER 2020**

**PAPER II – STRUCTURED ESSAY QUESTIONS (SEQ)**

Date: 12.12.2020

Time: 8.30 a.m. – 12.15 p.m.

ANSWER ALL FIVE (5) QUESTIONS WITHIN THE SPACE PROVIDED

Write your index number in EACH and EVERY page

Duration is 3 hours and 45 minutes (225 minutes) for both MCQ Paper and Structured Essay Paper. (Suggest spending 75 minutes for the SEQ Paper and 150 minutes for the MCQ Paper)

**Question 1.**

1.1 Write the method and calculations to prepare 500 ml of 1 in 4000 solution from a 1 in 800 solution

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1.2 Calculate the quantities of ingredients required to prepare 500 ml of 4% w/v dextrose in hypertonic saline solution

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2.2 Write the information required for registration of a drug

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2.3 With respect to NMRA Act, No 5 of 2005, answer the following

Mention the requirements essential for obtaining a licence to start a pharmacy

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(Each part carries a maximum of 20 marks)

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**Question 3.**

3.1 Briefly describe the following terms

(i) Authorized officer

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(ii) Write the functions of the Opium Board, as defined in the "Poisons, Opium, and Dangerous Drugs Ordinance"

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(iii) Storage of poisons

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(Each part carries a maximum of 20 marks)

**Question 4.**

Drying is one of the unit processes used in pharmaceutical tablet manufacturing

4.1 Write five factors that have to be considered in selecting dryers for tablet manufacturing

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4.2 Draw a schematic diagram of fluidized bed dryer by showing the important parts

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4.3 Briefly describe the process of fluidized bed drying

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(Each part carries a maximum of 20 marks)



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5.3 List the factors that affect pH of buffer solutions

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(Each part carries a maximum of 20 marks)

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