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2.3. Briefly explain the measurements used to analyze the particle size of a drug molecule. *(20 marks)*

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2.4. State four "colligative properties" of solutions. *(10 marks)*

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2.5. Define the term solubilization. *(05 marks)*

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2.6. Name three (03) important intermolecular attraction forces that involve in solubilization. (10 marks)

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3.

3.1. Define "Pharmacy" profession.

(20 marks)

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3.2. Name five (05) principal professional categories in pharmacy.

(10 marks)

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3.3. Define one (01) category named in 3.2.

(20 marks)

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3.4. What are the prominent eras occurred throughout the history of development of pharmacy? (20 marks)

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3.5.

3.5.1. Drug information sources are classified into different categories depending on the information. Give four (04) drawbacks of "Tertiary Resources". (20 marks)

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3.5.2. Give three (03) examples of tertiary resources. (10 marks)

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4.

4.1. Promethazine with codeine syrup contains 6.25 mg promethazine and 10 mg codeine per 5 mL. How many milligrams of promethazine are in 10 mL? (20 marks)

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4.2. If a prescription reads "Augmentin 875 mg by mouth twice a day", how many mL of Augmentin 400 mg/5 mL are required to dispense a 10 day supply? (30 marks)

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4.3. How many 500 mg tablets of erythromycin are required to prepare 240 mL of 2% solution of erythromycin? (30 marks)

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4.4. List five (05) factors influencing the dose of a drug? (20 marks)

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