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Course Name : D. Pharm
Year : First Year
Subject Name : Pharmaceutics
Topic Name : MIXING

MULTIPLE CHOICE QUESTION

1. Which of the following is NOT a type of pharmaceutical mixing?

- A) Homogenization
- B) Granulation
- C) Filtration
- D) Trituration

• **Answer: C) Filtration**

2. Which mixing process involves reducing particle size by grinding or rubbing?

- A) Homogenization
- B) Trituration
- C) Granulation
- D) Levigation

• **Answer: B) Trituration**

3. What is the purpose of granulation in pharmaceutical mixing?

- A) To reduce particle size
- B) To increase particle size
- C) To ensure uniform distribution of ingredients
- D) To separate insoluble components

• **Answer: C) To ensure uniform distribution of ingredients**

4. Which of the following mixing methods is commonly used to prepare tablets?

- A) Levigation
- B) Homogenization
- C) Granulation
- D) Filtration

• **Answer: C) Granulation**

5. What is the primary function of levigation in pharmaceutical mixing?

- A) Particle size reduction
- B) Mixing two immiscible liquids
- C) Increasing surface area
- D) Particle size enlargement

• **Answer: B) Mixing two immiscible liquids**

6. Which mixing process involves blending ingredients to create a uniform

mixture?

- A) Filtration
- B) Levigation
- C) Homogenization
- D) Trituration

• **Answer: C) Homogenization**

7. Which mixing technique involves the use of high-speed blades or impellers to break up agglomerates and achieve uniform dispersion?

- A) Levigation
- B) Trituration
- C) Homogenization
- D) Granulation

• **Answer: C) Homogenization**

8. In pharmaceutical mixing, what does the term "tumbling" refer to?

- A) Blending of powders in a rotating drum
- B) Mixing two immiscible liquids using a mortar and pestle
- C) Reducing particle size by grinding or rubbing
- D) Agitating a mixture using high-speed blades

• **Answer: A) Blending of powders in a rotating drum**

9. Which mixing process involves wetting a powder with a liquid to form a paste?

- A) Trituration
- B) Granulation
- C) Levigation
- D) Homogenization

• **Answer: C) Levigation**

10. Which of the following is NOT a factor influencing the efficiency of pharmaceutical mixing?

- A) Particle size distribution
- B) Mixing time
- C) Mixing speed
- D) Temperature

• **Answer: A) Particle size distribution**