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

MULTIPLE CHOICE QUESTION

1. Which type of dryer operates by passing hot air over the material to be dried, causing moisture to evaporate?

- A) Vacuum dryer
- B) Freeze dryer
- C) Spray dryer
- D) Hot air dryer

Answer: D) Hot air dryer

2. Which type of dryer uses microwave radiation to generate heat within the material to be dried?

- A) Vacuum dryer
- B) Freeze dryer
- C) Microwave dryer
- D) Drum dryer

Answer: C) Microwave dryer

3. Which dryer utilizes a vacuum environment to lower the boiling point of water, facilitating moisture removal?

- A) Vacuum dryer
- B) Freeze dryer
- C) Spray dryer
- D) Drum dryer

Answer: A) Vacuum dryer

4. In which type of dryer is the material sprayed into a hot chamber, where it rapidly dries as the liquid evaporates?

- A) Vacuum dryer
- B) Freeze dryer
- C) Spray dryer
- D) Drum dryer

Answer: C) Spray dryer

5. Which type of dryer is commonly used for drying large quantities of bulk materials and operates by rotating the material along with heated air?

- A) Vacuum dryer

- B) Freeze dryer
- C) Rotary dryer
- D) Drum dryer

Answer: C) Rotary dryer

6. What is the main advantage of using a freeze dryer over other types of dryers?

- A) Faster drying time
- B) Lower energy consumption
- C) Preservation of product quality
- D) Simplicity of operation

Answer: C) Preservation of product quality

7. Which type of dryer is suitable for heat-sensitive materials and operates by freezing the material and then removing the ice by sublimation under vacuum?

- A) Vacuum dryer
- B) Freeze dryer
- C) Spray dryer
- D) Drum dryer

Answer: B) Freeze dryer

8. What distinguishes a drum dryer from other dryers?

- A) It uses microwave radiation
- B) It operates under vacuum
- C) It rotates the material in a heated drum
- D) It sprays the material into a hot chamber

Answer: C) It rotates the material in a heated drum

9. Which type of dryer is commonly used in the pharmaceutical industry for drying granules and powders?

- A) Vacuum dryer
- B) Freeze dryer
- C) Spray dryer
- D) Fluidized bed dryer

Answer: D) Fluidized bed dryer

10. In which type of dryer is the material suspended in a stream of hot air, allowing for rapid and uniform drying?

- A) Vacuum dryer
- B) Freeze dryer
- C) Spray dryer

D) Fluidized bed dryer

Answer: D) Fluidized bed dryer