

1. Pharmacy layout is which type of facility of pharmacy?

- A. Chemical
- B. Physical
- C. Available
- D. Accessible

2. Which of the following is the mirror to show actual image of any pharmaceutical company?

- A. SOPs
- B. Work instructions
- C. Quality forms
- D. Document

3. Which one of the following describes the clinical picture of disease?

- A. Risk Factors
- B. History of Disease
- C. Death from Disease
- D. Health Policy Foundation

4. Which of the following is included in the Education and Training Services?

- A. Provide medications for all in-patients of the hospital on 24 hours basis.
- B. Inspect and control drugs in all treatment areas.
- C. Maintain prescription records.
- D. Coordinate programs of under graduate and graduate pharmacy students.

5. How many methods are used for the manufacturing of syrups?

- A. One
- B. Four
- C. Three
- D. Six

6. Which one of the following is used as anti-oxidant?

- A. Alcohol
- B. Glycerin
- C. Gelatin
- D. Sodium bisulfite

7. Which of the following is NOT an operation theatre supply

- A. Operating table
- B. Protective cap
- C. Electronic blood pressure measuring machine
- D. Electronic treadmill



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8. When the shaft of hammer mill is rotated, the hammers swing out to which position?

- A. Vertical
- B. Horizontal
- C. Radial
- D. Rotational

9. Ball Mill is also called as:

- ☒ A. Jar Mill
- B. Circular Mill
- C. Round Mill
- D. Tangent Mill

10. Which one of the following is **NOT** the application of Belt Dryer?

- A. Usage in Chemical Industries
- B. Usage in Food Industries
- C. Usage in Pharmaceutical Industries
- D. Drying of Finished Products

Which of the following is a medical facility smaller than a hospital and is often run by a private partnership of physicians? It generally provides only outpatient services.

- A. Primary care hospital
- B. Secondary care hospital
- C. Tertiary care hospital
- D. Clinic

12. Which of the following department manages diseases related to skin, hair, nails, and some cosmetic problems?

- A. Cardiology
- B. Gynecology
- C. Orthopedic
- D. Dermatology

13. Which of the following is used as an antioxidant in pharmaceutical preparations?

- A. Methyl paraben
- B. Sodium propyl paraben
- C. Sodium acetate
- D. Ascorbic acid

14. Which one of the following is concerned with determination of flow ability of material?

- A. Kinetics
- B. Rheology
- C. Pharmacology
- D. Theology

15. Which of the following is the study and diagnosis of disease through examination of molecules, cells, tissues and body fluids?

- A. Pharmacy
- B. Nursing
- C. Biology
- D. Pathology



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16. The process in which two or more components are combined in such a way that each particle of any ingredient lies to adjacent particle of other ingredient is known as:

- A. Grinding
- B. Crushing
- C. Mixing
- D. Drying

17. _____ is the pharmacy act and consists of the removal of two or more doses from a bulk drug container and placing them in another container for subsequent use by a patient.

- A. Compounding
- B. Dispensing
- C. Distribution
- D. Production

18. Which of the following hospitals typically is the major health care facility in its region, with large number of beds for intensive care and long-term care?

- A. Nonprofit hospitals
- B. Profit hospitals
- C. Publicly owned hospitals
- D. District hospital

19. The approval of pharmaceuticals for marketing by quality control belongs to which stage of quality control?

- A. First Stage
- B. Second Stage
- C. Third Stage
- D. Fourth Stage

20. How is the sedimentation of particles in a suspension minimized?

- A. By increasing the particle size of the active ingredient
- B. By increasing the viscosity of the medium
- C. By preventing the exposure of drug to the solvent
- D. By decreasing the particle size of the active ingredient

21. The study and practice of _____ best to improve the overall health, and health gains, populations is referred to

- A. Community Health
- B. Population Health
- C. Public Health
- D. District Health



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22. Which of the following is a common pharmaceutical waste?
- Anatomic wastes (body parts and tissues)
 - Sharps waste (syringes, needles, and blades)
 - Chemical waste
 - Test animal remains
23. V-Shaped Mixer is used for the mixing of:
- Suspensions
 - Emulsions
 - Powders
 - Syrups
24. The non-medicated ointment is used as:
- Anti-inflammatory
 - Lubricants
 - Anti-allergic
 - Anti-bacterial
25. What is meant by **Pharmacotherapy**?
- Medical treatment by radiations
 - Medical treatment by vaccines
 - Medical treatment by isotopes
 - Medical treatment by drugs
26. The difference between boiling point of solution and solvent is known as:
- Temperature Difference
 - Temperature Depression
 - Boiling Depression
 - Evaporation Depression
27. Which one of the following is NOT the function of packaging?
- Protection
 - Identification
 - Storage
 - Disposal
28. How many parts are the formulary?
- Two
 - Three
 - Six
 - Eight
29. Which one of the following pharmacy deals directly with local area people?
- Hospital Pharmacy
 - Clinical Pharmacy
 - Community Pharmacy
 - Industrial Pharmacy
30. Which one of the following is responsible for increasing viscosity?
- Tonicity Modifier
 - Stabilizers
 - Sweeteners
 - Suspending Agents

31. Which one of the following is used as a final production step?
- A. Mixing
 - B. Drying
 - C. Size reduction
 - D. Size separation
32. Which of the following deals with the patients who are in need of immediate support and care?
- A. Out patient
 - B. In patient
 - C. Tertiary care
 - D. Emergency care
33. If a drug is administered after 4 hours but it should be administered after 6 hours than this is known as:
- A. Wrong site error
 - B. Wrong time error
 - C. Wrong route error
 - D. Wrong rate error
34. The falling film evaporator is usually applied for:
- A. Less viscous solid
 - B. Less viscous solutions
 - C. High viscous solutions
 - D. Hygroscopic substances
35. Which one of the following steps is optional in capsule manufacture?
- A. Developing and preparing the formulation
 - B. Selecting the capsule size
 - C. Capsule Filling
 - D. Capsule Sealing
36. Which one of the following is NOT considered as excipient?
- A. Coloring Agent
 - B. Sweetening Agent
 - C. Viscosity Controller
 - D. Anti-bacterial Agent
37. Which of the following is the disadvantage of Unit Dose Method system?
- A. Patients receive improved pharmaceutical service 24 hours a day.
 - B. All doses of medication required at the nursing station are prepared by the pharmacy thus allowing the nurse more time for direct patient care.
 - C. Increased volume of work in pharmacy.
 - D. Allow the pharmacists to check a copy of the physician's original order thus reducing medication errors.

39. Which of the following is the advantage of plastic containers?
- Heavy in weight
 - Permeability of moisture
 - Permeability of gases
 - Not breakable
40. The hammer mill consists of a steel casing in which a central shaft is enclosed to which of the following?
- Springing hammers
 - Fixed hammers
 - Rotating hammers
 - Sharp hammers
41. Which of the following is a mixer with the help of which liquid mixture, suspensions, fluid emulsions, syrups can be prepared?
- Edgerton mixer
 - Pedlic & mortar
 - T mixer
 - Robson mixer
42. Error free medication without drug interaction, ADRs and drug toxicity is known as:
- Unsafe use of drugs
 - Misuse of drugs
 - Safe use of drugs
 - Tolerance of drugs

43. Which one of the following is/are a communicable disease?
- Cholera, Typh
 - Diphtheria
 - Malaria
 - Polio
44. Hospitals which have the facility to provide the instructions to medical students and nurses are known as:
- Children Hospital
 - Pediatric Hospital
 - Cardiac Hospital
 - Teaching Hospital
45. How many steps are there in wet granulation in tablet manufacture?
- 3
 - 5
 - 7
 - 9
46. Which of the following mass transfer process consisting of the removal of water or another solvent by evaporation from a semi-solid or liquid?
- Drying
 - Mixing
 - Particle size reduction
 - Homogenization

SEQs
Answer all questions,
each question carries 5
marks

Pharmaceutics – II

1. How a suspension is prepared with the help of Silverson homogenizer? (5 Marks)
2. What are the advantages and disadvantages of glass containers used in packaging of pharmaceuticals. (5 Marks)
3. Write down differences between falling film evaporator and forced circulation evaporator. (5 Marks)
4. What is wet gum method of emulsion formulation? (5 Marks)
5. What are the methods of tablet manufacturing? Discuss any one method. (2+3 Marks)

Pharmaceutics – III

6. Define the following terms:
 - a. Hospital Pharmacy
 - b. Clinical pharmacy(2.5+2.5 Marks)
7. Define medication errors. What are the major medication errors? (2+3 Marks)
8. What do you know about expanded program on immunization (EPI)? (5 Marks)
9. Classify hospitals on the basis of ownership and control. (5 Marks)
10. Define epidemiology and write main purposes of epidemiology. (2+3 Marks)



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