

**1. What is the pharmacological class of Tolu balsam?**

- A. Expectorant
- B. Cardiotonic
- C. Purgative
- D. Antispasmodic

**2. Methyl orange is the type of:**

- A. Acid based indicator
- B. Redox indicator
- C. Precipitation indicator
- D. Both B & C

**3. Name of the drug, given on the scientific basis is known as:**

- A. Trade Name
- B. Brand name
- C. Generic name
- D. All of the above

**4. Type of pharmacy in which medicines are taken from manufacturer and distribute to the medical stores, pharmacies and hospitals in bulk, on a fixed percentage of profit is known as:**

- A. Wholesale pharmacy
- B. Retail pharmacy
- C. Consultant pharmacy
- D. Clinical pharmacy

**5. Removal of water from hydrated crystalline substance is called:**

- A. Ellutriation
- B. Exsiccation
- C. Distillation
- D. Deliquescence

**6. Cinnamon is a:**

- A. Seed
- B. Dried leave
- C. Bark
- D. Root

**7. Ointments should be packed in:**

- A. Plastic jars
- B. Glass jars
- C. Metal tubes
- D. Collapsible tubes

**8. Amoxicillin is:**

- A. Obtained from mineral source
- B. A semi-synthetic drug
- C. A synthetic drug
- D. Not soluble in water

**9. Delayed Hypersensitivity Allergy reaction takes \_\_\_\_\_ days to develop**

- A. One
- B. More than eight
- C. Two to three
- D. Seven to eight





10. Common type of inhalant allergen is:

- A. Milk
- B. Protein diet
- C. Bee sting
- D. Dust

11. Solid mixture of polysaccharide is called:

- A. Resins
- B. Bulb
- C. Rhizome
- D. Gum

12. Production department is key part of:

- A. Hospital pharmacy
- B. Clinical pharmacy
- C. Industrial pharmacy
- D. Retail pharmacy

13. Density is explained as mass divided by:

- A. Force
- B. Pressure
- C. Temperature
- D. Volume

14. Two fundamental types of capsules are:

- A. High and low capsules
- B. Smooth and rough capsules
- C. Soft and hard gelatin capsules
- D. Hot and cold capsules

15. The word "Pharmakon" is derived from:

- A. German language
- B. Latin language
- C. Arabic language
- D. Greek language

16. Which of the following process is used for removing or killing all forms of microbial life such as fungi, bacteria, viruses and spore forms?

- A. Sublimation
- B. Titration
- C. Sterilization
- D. Buffer

17. Tannins are used as antidote in \_\_\_\_\_ poisoning.

- A. Protein
- B. Alkaloid
- C. Glycoside
- D. Lipid

18. The study of drug with the help of sensory organs is \_\_\_\_\_.

- A. Physiological Evaluation
- B. Physical Evaluation
- C. Chemical Evaluation
- D. Organoleptic Evaluation



19. Which one of the following part of plant digitalis is used as a source of crude drugs?

- A. Wood
- B. Leave
- C. Bark
- D. Flower

20. Tea belongs to which of the following alkaloidal group?

- A. Indole
- B. Steroidal
- C. Purine
- D. Quinoline

21. Senna belongs to which of the following family?

- A. Liliaceae
- B. Leguminosae
- C. Moraceae
- D. Solanaceae

22. Which of the following enzyme catalyses the ammonia related break down reaction?

- A. Lipase
- B. Arginase
- C. Amidase
- D. Urease

23. Which of the following is having volatile oil drug?

- A. Catechu
- B. Glycyrrhiza
- C. Belladonna
- D. Caraway

24. Which of the following chemical incompatibility is responsible for the conversion of Aspirin to salicylic acid and acetic acid?

- A. Redox reaction
- B. Precipitation
- C. Hydrolysis
- D. Acid base reaction

25. Which of the following part of prescription describes instructions for the patient regarding the use of medication?

- A. Superscription
- B. Inscription
- C. Subscription
- D. Signatura

26. Which of the following is a cardiac stimulant drug?

- A. Aloe
- B. Squil
- C. Catharanthus
- D. Digitalis

27. Which test of the following is NOT used for allergy?

- A. Skin test
- B. Blood test
- C. Scratch test
- D. Urine test

28. Which of the following is an abnormal growth on a plant that is caused by insects?

- A. Epicarp
- B. Endosperm
- C. Mucilage
- D. Gall

29. Which of the following would be an appropriate choice for the preparation of water soluble base ointment?

- A. Hydrous wool
- B. Bees wax
- C. Soft paraffin
- D. Polyethylene glycol

30. Which of the following is used as buffering agent in syrup formulations?

- A. Citric acid/Sodium chloride
- B. Sulphuric acid/Sodium acetate
- C. Citric acid/Sodium acetate
- D. Lactose

31. Which of the following is the reciprocal of fluidity?

- A. Viscosity
- B. Surface tension
- C. Tonicity
- D. Buffer capacity

32. Which of the following is the physical mean by which medications are delivered to patients?

- A. Dosage form
- B. Therapeutic index
- C. API
- D. Drug response

33. Which of the following product is manufactured in the semisolid section?

- A. Tablets
- B. Capsules
- C. Gels
- D. Injections

34. Which one of the following is due to toxic material of allergen when it is ingested by our body it produces IgG in response to allergen?

- A. Environmental Allergy
- B. Physical & Psychometric Allergy
- C. Anaphylactic Allergy (Anaphylaxis)
- D. Cytotoxic Allergy



35. Which one of the following belongs to oleo-gum resin?

- A. Myrrh
- B. Jalap
- C. Ginger
- D. Male Fern

36. The ratio of the distance travelled by the samples to the distance travelled by the solvent in chromatography is known as:

- A. Rf Value
- B. Rg Value
- C. Rx Value
- D. Ra Value

37. Pharmacognosy is the branch of medicine that deals with \_\_\_\_\_ drugs.

- A. Prepared
- B. Artificial
- C. Crude
- D. Purified

38. The drugs which are obtained from direct parts of the plants and contain cellular tissues are known as:

- A. Organized Drug
- B. Unorganized Drug
- C. Cellular Drug
- D. Synthetic Drug

39. Bromelain is synthesized from:

- A. Apple
- B. Potato
- C. Banana
- D. Pineapple

40. 90% of food allergies are from:

- A. Tomato
- B. Eggs
- C. Almonds
- D. Cabbage

41. Evaporation is type of:

- A. Extraction
- B. Distillation
- C. Vaporization
- D. Crystallization

42. RAST stands for:

- A. Rate of allergy solubility test
- B. Radioallergosorbent test
- C. Rate of allergic solvent test
- D. Radial allergy solubility test

43. High proportion of \_\_\_\_\_ is present in balsams.

- A. Benzoic acid
- B. Aspartate
- C. Histidine
- D. Vitamin

**44. The method in which plant is macerated and then distilled to get the oil is called as:**

- A. Expression
- B. Simple mixing
- C. Adsorption
- D. Steam Distillation

**45. Adsorption is divided in which of following two main groups?**

- A. Mechanical and chemical adsorption
- B. Biological and chemical adsorption
- C. Physiological and chemical adsorption
- D. Physical and chemical adsorption

**46. Which of the following is NOT the specialty of pharmacy?**

- A. Forensic Pharmacy
- B. Chemical Pharmacy
- C. Hospital Pharmacy
- D. Clinical Pharmacy

**47. In which of the following process, the drying procedure is widely used in pharmacy to remove the water from the product?**

- A. Deliquescence
- B. Extraction
- C. Desiccation
- D. Evaporation

**48. Which official book has been written, published and gathered by the WHO (World Health Organization)?**

- A. British Pharmacopoeia
- B. International Pharmacopoeia
- C. United State Pharmacopoeia
- D. British National Formulary

**49. Greasy-semisolid preparation for application to the skin are known as:**

- A. Ointments
- B. Tinctures
- C. Lotions
- D. Suppositories

**50. Unit for surface tension is:**

- A. N
- B.  $m^2$
- C.  $m^3$
- D.  $N/m^2$



## SEQs

**Answer all questions,  
each question carries 5  
marks**

### Pharmaceutics - I

1. Write down differences between pastes and gels. (5 Marks)
2. Write a brief note on Abu-Ali Sina. (5 Marks)
3. Write a note on classification of ointment bases. (5 Marks)
4. Define pharmacy and write the names of its various branches. (2+3 Marks)
5. Define pH and write the names of types of pH indicators. (2+3 Marks)

## Pharmacognosy

6. Define chromatography and write the names of its types. (2+3 Marks)
7. Write a note on papain enzyme. (5 Marks)
8. What is skin test and its types for allergy? (2+3 Marks)
9. Define extraction. Write down advantages of extraction. (2+3 Marks)
10. Identify and label the following diagram. (1+4 Marks)

*(Note: Attempt this question on answer sheet.)*

