

1. Which one of the following drugs can be used for open angle glaucoma?

- A. Loop diuretics
- B. Carbonic anhydrase inhibitor
- C. Potassium sparing diuretics
- D. Osmotic diuretics
- E. Calcium sparing diuretics

2. Which one of the following deals with the parameters such as absorption, distribution, metabolism and excretion?

- A. Pharmacology
- B. Pharmacognosy
- C. Pharmacokinetics
- D. Pharmacodynamics
- E. Biopharmaceutics

3. Which one of the following diuretics acts in distal convoluted tubule to decrease Na^+ reabsorption?

- A. Thiazide diuretics
- B. Osmotic diuretics
- C. Potassium sparing diuretics
- D. Loop diuretics
- E. Calcium sparing diuretics

4. Which one of the following is Posology?

- A. Drug dosage
- B. Drug manufacturing
- C. Drug monitoring
- D. Drug testing
- E. Drug metabolism

5. Which one of the following is the disadvantage of Sublingual drugs?

- A. Rapid absorption and effect (eg, glyceryl trinitrate in angina)
- B. Spitting out tablet can terminate effect
- C. Low incidence of infection
- D. Irritation of oral mucosa, and excessive salivation
- E. Avoidance of first pass metabolism

6. Which one of the following have rapid onset of action?

- A. Oral
- B. Intranasal
- C. Parenteral
- D. Topical
- E. Suppositories

7. Nicotinic and GABA receptors belong to,

- A. Ligand gated ion channels
- B. G protein coupled receptors
- C. Intracellular receptors
- D. Intranuclear receptors
- E. L protein receptors

8. Which one of the following agents inhibit monoamine oxidase enzyme?

- A. Phenelzine
- B. Mirtazapine
- C. Duloxetine
- D. Fluoxetine
- E. Hydralazine

9. Which one the following protein is responsible for binding majority of the drugs in the plasma?

- A. Globin
- B. Hemoglobin
- C. Globulin
- D. Albumin
- E. Fibrin

10. Which one of the following diuretics act on the loop on Henle?

- A. Loop diuretics
- B. Thiazide diuretics
- C. Osmotic diuretics
- D. Potassium sparing diuretics
- E. Sodium sparing diuretics



11. Which one of the following is the most cost effective and convenient method of drug administration?

- A. Oral
- B. Inhalation
- C. Parenteral
- D. Topical
- E. Intrathecal

12. Which is the most preferred route of administration of Epinephrine in the emergency treatment of any condition of the respiratory tract?

- A. Oral
- B. Inhalation
- C. Subcutaneous
- D. Intradermal
- E. Intrathecal

13. Which one of the following is the major site for drug excretion?

- A. Stomach
- B. Liver
- C. Kidney
- D. Blood
- E. Skin

14. Which of the following is the precursor of Dopamine that is actively transported into the CNS and converted to dopamine in the brain?

- A. Dopamine HCl
- B. Dopamine sodium
- C. Intradopa
- D. Levodopa
- E. Dextrodopa

15. In which one of the following administration routes for a drug injected just beneath the top layer of the skin?

- A. Oral
- B. Inhalation
- C. Intravenous
- D. Intradermal
- E. Intrathecal

16. Removal of a drug from the body occurs via a number of routes, which is the most important.

- A. Urine
- B. Bile
- C. Milk
- D. Intestine
- E. Lung

17. Which one of the following is considered as Safe and effective anxiolytics?

- A. Phenobarbital
- B. Benzodiazepines
- C. Panadol
- D. Dopamine
- E. Duloxetine

18. Which one of the following is the study of how body reacts to the drug?

- A. Pharmacology
- B. Pharmacognosy
- C. Pharmacokinetics
- D. Pharmacodynamics
- E. Biopharmaceutics



29. Which one of the following caters the diseased cell only by means of chemicals/drugs?

- A. Chemotherapy
- B. Physiotherapy
- C. Aromatherapy
- D. Radiotherapy
- E. Flor therapy

30. Which one of the following drugs are pharmacologically inactive and stays in vascular space and is not metabolized or eliminated?

- A. Protein bound
- B. Free drug
- C. Pro drugs
- D. Conjugated drugs
- E. Unbound drugs

31. Which of the following is the program that is on the computer that allows you to work with the computer?

- A. Hardware
- B. Software
- C. Server
- D. Input device
- E. Output device

32. Which one of the following is a device that enables the user to scroll within the various drives and folders of the computers?

- A. CD Rom
- B. Mouse
- C. Floppy Disk
- D. Microphone
- E. Modem

33. Which one of the following is any piece of computer hardware equipment used to retain save or store data into a computer?

- A. Input device
- B. Output device
- C. Storage device
- D. Operating system
- E. Processing device

34. Which one of the following is the set of instructions written for a particular task?

- A. Programming language
- B. Computer program
- C. Low level language
- D. Object code
- E. Data code

35. Which of the following can be added by user be displayed when system is idle?

- A. User interface
- B. Language translator
- C. Platform
- D. Screen saver
- E. Notifications

36. Which one of the following is primary input device for the PC? It is used for audio input.

- A. CD Rom
- B. Mouse
- C. Floppy Disk
- D. Microphone
- E. Scanner

37. Which of the following is an output device of a computer?

- A. Joystick
- B. DVD
- C. Mouse
- D. Light pen
- E. Scanner

38. In which one of the following one can perform the publishing job all by oneself with the help of computer and Internet?
- Online publishing .
 - Desktop publishing
 - Hardcopy publishing
 - CPU publishing
 - CDR publishing
39. All of the following are disadvantages of networking Except,
- A virus can spread more easily.
 - As data is shared there is a greater need for security.
 - If the server fails, all the workstations are affected.
 - Computers can share data and files. ,
 - The cost of installing the equipment's is greater.
40. Which one of the following can be used as input as well as storage device?
- CD Rom ,
 - Mouse
 - Scanner
 - Microphone
 - Keyboard
41. Which one of the following is labeled in a misleading or incorrect way, potentially causing harm to consumers by providing false information about the product?
- Misbranded drug .
 - Sub-Standard drug
 - Adulterated drug
 - Spurious drug
 - Counterfeit drug
42. Which one of the following persons should hold the office of pharmacy council as president?
- Minister of health
 - Secretary health
 - Director General of health
 - Secretary Pakistan pharmacy council
 - Registrar Pakistan pharmacy council
43. Which one of the following is the number of members from Provincial Pakistan Pharmacist Association (PPA) to be appointed in Provincial pharmacy council?
- 1
 - 3
 - 2
 - 5
 - 6
44. "Generic name" means the non-proprietary, scientific or official name of a drug as approved by the _____ Government.
- Federal
 - Provincial
 - District
 - Local
 - Both C and D ✓
45. Which one of the following imprisonment durations shall be applicable If a person exports, imports, manufacture any drug without license?
- More than ten years
 - Less than three years.
 - Both a and b
 - Not less than three years and not more than 10 years
 - No imprisonment



SEQs Answer all questions, each question carries 5 marks

Social Behavior, Law and Ethics

1. What are the environmental influences that affect the human behavior?
2. Elaborate basic principles of verbal and non-verbal communication.
3. Define pharmacy ethics also elaborate code of ethics for pharmacist.
4. Define advertising and what the major advertising media.
5. Define sales management and write about their steps.
6. What are the environmental influences that affect the human behavior?

Computer

7. Give an overview of computer output devices.

Pharmacology

8. Draw flow chart for pharmacokinetics.
9. Define the following terms.
 - a. Drug
 - b. Pro-Drug
 - c. Placebo
 - d. Dose and Dosage
10. Define cholinergic agonists. Write down the classification of anticholinergic drugs.

11. Define Heart failure. Classify the prototype drugs used for treatment of heart failure.
12. Define diuretics and draw a diagram to show mechanism of action of different diuretics?