

Final Year B. Pharm CBSGS (Semester VII)
Pharmaceutics IV Theory Examination
ACADEMIC YEAR 2019-2020
WEBSITE DISPLAY SAMPLE QUESTIONS

1. Methods that maintain sterility products
 - a. Aseptic technique
 - b. Bleaching
 - c. A clean person
 - d. Admixture

2. The A drugs molecular weight divided by its valence, a common measure of electrolyte concentration.
 - a. Coring
 - b. Valence
 - c. Flow rate
 - d. Equivalent weight

3. Chemicals produced by microorganisms that can cause fever reactions in patients
 - a. Bacteria
 - b. Viuruses
 - c. Pyrogens
 - d. Microorganisms

4. When a solution has an osmolarity equivalent to that of blood
 - a. Hypotonic
 - b. Isotonic
 - c. Hypertoni
 - d. Therapeutic

5. When a solution has a lesser osmolarity than that of blood
 - a. Hypotonic
 - b. Hypertonic
 - c. Isotonic
 - d. Tonic

6. Which layer of eye is also called as white of eye
- a. cornea
 - b. Sclera
 - c. Iris
 - d. Retina

7. Benzalkonium Chloride is incompatible with

- a. nitrates
- b. cetrimide
- c. sodium oleate
- d. sodium stearate

8. Non-swellable water insoluble polymer

- a. Ethyl cellulose
- b. HPMC
- c. Carbopol
- d. Polycarbophil

9. Penn Kinetic system is

- a. Dissolution controlled DDS
- b. Diffusion controlled DDS
- c. Ion exchange DDS
- d. Osmotic DDS

10. Trehalose, mannitol, dextrans are examples of ----- used in parenterals

- a. Preservatives
- b. Buffers
- c. Cryoprotectants
- d. Vehicles

11. One of the following is used as a pH dependant controlled release excipient.

- a. Carnauba wax
- b. Hydroxy propyl methyl cellulose phthalate
- c. Methyl cellulose
- d. Glyceryl monostearate

12. Bacterial endotoxin test is used to determine:

- a. The amount of Pyrogens
- b. The level of Pyrogens from Gram negative bacteria
- c. The level of bacterial endotoxin from Gram negative bacteria
- d. The level of bacterial endotoxin from Gram positive bacteria.

13. Suspension & oily injection can be administered through:

- a. intravenous
- b. intraarterial
- c. intramuscular
- d. intraspinal

14. Vitamin C is antioxidant because it is

- a. Acting as reducing agent
- b. Acting as blocking agent
- c. Acting as complexing agent
- d. Acting as sequestering agent

15. In Rotating Basket Apparatus for dissolution studies, Basket of mesh size used -----

- a. 22 mesh
- b. 30 mesh
- c. 35 mesh
- d. 40 mesh

16. Which layer is the major rate limiting barrier for permeation of hydrophilic drugs across the cornea?

- a. Endothelial barrier
- b. Stroma
- c. Epithelial barrier
- d. Endothelial barrier and Epithelial Barrier

17. All the following viscosity builders have been used in ophthalmic solutions except

- a. Veegum
- b. Methyl Cellulose
- c. Polyethylene Glycol
- d. polyvinyl alcohol

18. ICH stands for :

- a. International Conference on Harmonization
- b. International Commission of Hospitals
- c. Indian Chemical House
- d. International Currency House

19. The three regions of ICH are:

- a. EU, Japan and US
- b. EU, Japan and Russia
- c. Japan, India and UK
- d. UK, India and Australia

20. When the reaction is dependent on concentration, it is called:

- a. First order
- b. Zero order
- c. Second order
- d. Pseudo first order

21. Esters commonly undergo following reaction;

- a. Hydrolysis
- b. Oxidation
- c. Photolysis
- d. Hydrogenation

22. Vitamins commonly undergo following reaction;

- a. Oxidation
- b. Hydrolysis
- c. Photolysis
- d. Hydrogenation

23. A solvent that dissolves a lyophilized powder or dilutes a solution

- a. Diluent
- b. Solvent
- c. Additive
- d. Admixture

24. Movement of particles in a solution through permeable membranes

- a. Filter
- b. Dialysis
- c. Flow rate
- d. Anhydrous

25. Which of the following route has rapid onset of action

- a. Parenteral
- b. Oral
- c. Transdermal
- d. Rectal