

## M. PHARM.

1. Sildenafil is used in the following disorder:  
A) Systolic hypertension                      B) Diastolic hypertension  
C) Unstable angina                              D) Pulmonary hypertension
2. Which drug is NOT used in the treatment of malaria caused by *Plasmodium falciparum*  
A) Artemisinin      B) Mefloquine      C) Primaquine      D) Quinine
3. Sigma blade mixers are commonly used in  
A) Dry granulation                              B) Wet granulation  
C) Crude fiber mixing                          D) Liquid mixing
4. The process of reverse osmosis can be used to prepare  
A) Alcohol USP                                  B) Purified water USP  
C) Isopropyl alcohol USP                      D) Milk of magnesia USP
5. The ideal antiseptic concentration of ethyl alcohol is  
A) 95%                      B) 70%                      C) 100%                      D) 75%
6. A test used to check leakage of bacterial filter is  
A) The seep test                                  B) The seitz test  
C) The bubble point test                      D) The Millipore test
7. Shellac is used as a  
A) Polishing agent                              B) Sub coating agent  
C) Film coating agent                          D) Enteric coating agent
8. Rabies vaccine (living) is prepared using  
A) Sheep blood      B) Mice lymph      C) Horse plasma      D) Fertile eggs
9. Drugs following one compartment open model pharmacokinetics eliminate  
A) bi-exponentially                              B) tri-exponentially  
C) non-exponentially                              D) mono-exponentially
10. As per Drugs and Cosmetics Act and Rules, the Good Manufacturing Practice is included under Schedule

A) W                      B) P                      C) S                      D) M

11. It is required to maintain a therapeutic concentration of 10 microgram/mL for 12 hours of a drug having half life of 1.386 hr and Vd of 5 L. The dose required in a sustained release product will be

A) 600 mg                      B) 300 mg                      C) 30 mg                      D) 60 mg

12. Intermediates in the biosynthesis of cholesterol are

A) Mevalonic acid and isopentenyl pyrophosphate

B) Mevalonic acid and aldosterone

C) Isoprenaline and aldosterone

D) Isoprenaline and isopentenyl phosphate

13. Which suppository should be moistened with water before insertion

A) Hydrogenated vegetable oil                      B) Theobroma oil

C) Synthetic fat based suppositories                      D) Glycerinated gelatin

14. Commonly used bulking agent in parenteral formulation is

A) Mannitol                      B) Cellulose                      C) Starch                      D) Lecithin

15. Klunge's test is used to identify

A) barbaloin                      B) Isobarbaloin                      C) Aloesin                      D) Aloinosides

16. Which of the following drug is a triterpenoid containing root?

A) Valerian                      B) Brahmi                      C) Satavari                      D) Adusa

17. Which of the following ergot alkaloid is water soluble and shows blue fluorescence

A) Ergosine                      B) Ergotamine                      C) Ergocristine                      D) Ergometrine

18. Interleukins are

A) Polypeptide cytokines important in the inflammatory cascade

B) Prostaglandins that account for gastrointestinal disorders

C) Enkephalins which are specific for asthma

D) Dipeptides which have antimicrobial properties

19. Valproic acid capsules if chewed will cause

- A) Irritation of the mouth and throat                      B) Destruction of the drug  
C) Staining of teeth    D) Hyperventilation
20. A naturally occurring amino acid which does not have a chiral centre is  
A) Glycine                      B) Alanine                      C) Tryptophan                      D) Tyrosine
21. Common energy source (light source) for visible radiation is  
A) Hydrogen lamp    B) Globalar    C) Deuterium lamp    D) Tungsten filament lamp
22. Which of the following compound is useful for the stimulation of cell division and release of lateral bud dormancy?  
A) Zeatin                      B) 2,4-Dichlorophenoxyacetic acid    C) Indoleacetic acid    D) Picloram
23. Phenylethylisoquinoline is the precursor of which alkaloid  
A) Colchicine                      B) Papaverine                      C) Emetine                      D) Cephaine
24. Which of the following species is inactivated by Dipeptidyl dipeptidase-4?  
A) Oxytosin                      B) Vasopressin                      C) Glucagon                      D) Incretin
25. Chlorine or Bromine substitution in aromatic compounds  
A) Enhances fluorescence                      B) Does not change the fluorescence  
C) Quenches the Fluorescence                      D) Removes the fluorescence
26. Hyperuricaemia is a side effect of the following drug  
A) Pyrimidine                      B) Purine                      C) Riboflavin                      D) Thiamine
27. The anticoagulant glycosaminoglycan found in the granulated mast cells  
A) Heparin                      B) Vitamin K                      C) Warfarin                      D) Aspirin
28. Kelp and Laminaria are principle genre used for the industrial production of  
A) Carrageenans                      B) Agar                      C) Alginic acid and alginates                      D) Fucans
29. The heterocyclic ring present in pilocarpine are  
A) Imidazole and Quinoline                      B) Imidazole and Thiazole  
C) Quinoline and Phenanthrene                      D) Imidazole and dihydrofuran
30. "Draves test" measures the efficiency of  
A) Wetting agent                      B) Detergent                      C) Adsorbent                      D) suspending agent

31. The sterility test for liquid involves

- A) Colorimetric assay                      B) Rabbit test  
C) Injection into guinea pigs              D) Culturing in fluid thioglycollate medium

32. The function of papain in soft contact lens product is to

- A) Remove grease                              B) Keep the lens soft  
C) Disinfect                                      D) Remove proteinaceous residues

33. Which of the following is very effective sun screening agent

- A) Salicylic acid                      B) Zinc Oxide                      C) Benzocaine                      D) Titanium dioxide

34. Glossitis is the inflammation of the

- A) Eyelids                              B) Tongue                              C) Stomach wall                      D) Nasal passages

35. Prior to administration enema should be kept at

- A) Refrigerator                              B) Room temperature  
C) Body temperature                      D) Boiling water

36. The pH of the skin is

- A) 5.5                                      B) 4.5                                      C) 6.8                                      D) 7.4

37. License to sell drugs specified in schedule C and C1 is given in the form number

- A) 18                                      B) 19                                      C) 21                                      D) 24

38. An antimicrobial preservative commonly used in nasal preparation is

- A) Benzalkonium chloride                      B) Benzyl alcohol  
C) Thiomersal                                      D) Phenylmercuric acid

39. One thousand nanograms equals one

- A) Gram                              B) Centigrams                      C) Microgram                      D) Milligram

40. Dispensing carbonate and bicarbonates with acid or acidic drugs is an example of

- A) Physical incompatibility                      B) Chemical incompatibility  
C) Therapeutic incompatibility                      D) No incompatibility

41. The process of formation of fine particles from granules is called

- A) Disintegration                      B) Deaggregation                      C) Dissolution                      D) Absorption



