

### Lateral Entry B. Pharm., 60 Questions

1. The use of which of the following drug is associated with the development of a systemic lupus erythematosus (SLE) like syndrome?  
(a) Probenecid (b) Phenobarbital  
(c) Nitrofurantoin (d) Hydralazine.
2. An inverse relationship exists between the concentration of calcium in the blood and the blood concentration of  
(a) Magnesium (b) Thyroid hormone  
(c) Testosterone (d) Phosphorus
3. A patient receiving isocarboxazid should be advised to  
(a) Avoid foods high in potassium (b) Avoid foods high in tyramine  
(c) Avoid foods high in Sodium (d) Avoid foods high in vitamin K
4. An antacid that is most likely to induce gastric hyper secretion is  
(a) Calcium carbonate (b) Bismuth subgallate  
(c) Aluminium hydroxide (d) Magnesium hydroxide.
5. A drug interaction is likely to occur when 6-mercaptopurine is used with  
(a) Aspirin (b) Allopurinol  
(c) Streptokinase (d) Pyridoxin
6. Which one of the following body areas usually has the lowest (most acidic) pH?  
(a) Blood (b) Lachrymal fluid  
(c) Oral cavity (d) Skin
7. A patient is using hydrochlorothiazide and guanethidine for the treatment of hypertension. This patient should not receive  
(a) Potassium supplementation (b) Tricyclic antidepressants  
(c) Aluminium containing antacids (d) Folic acid supplementation
8. Which of the following is true of active transport System?  
(a) They do not consume energy (b) They never become saturated  
(c) They do not reach equilibrium (d) All of the above.
9. The diagnostic test that is most closely associated with organ 'Heart' is  
(a) Bilirubin (b) Amylase  
(c) alkaline phosphatase (d) Lactate dehydrogenase.

10. Thiazides may produce
  - (a) Reduce glucose tolerance
  - (b) Hyperkalemia
  - (c) Decrease blood levels of uric acid
  - (d) Hyponatremia
11. The most frequent dose limiting adverse effect associated with cancer chemotherapy is
  - (a) alopecia
  - (b) mucositis
  - (c) nausea and vomiting
  - (d) myelo-suppression
12. The drug of choice in the treatment of hyperkalemia induced arrhythmias is
  - (a) Calcium gluconate
  - (b) Calcium carbonate
  - (c) Sodium bicarbonate
  - (d) Digoxin
13. The inhibition of Pituitary thyrotropin secretion is controlled by which of the following?
  - (a) Free thyroxine
  - (b) Thyroid-releasing hormone
  - (c) Free thyroxine index
  - (d) Reverse tri-iodothyronine
14. Sodium bicarbonate is most likely associated with
  - (a) May cause diarrhoea
  - (b) Can not be used by patient with heart failure
  - (c) May cause dry mouth
  - (d) Can be alternated with an antacid mixture to control diarrhoea.
15. When administered at the same time, antacids can decrease the therapeutic efficacy of which of the following drugs?
  - (a) Sucralfate
  - (b) Ranitidine
  - (c) Cimetidine
  - (d) all of the above.
16. In Validity of a drug manufacturing license is upto
  - (a) 31<sup>st</sup> April
  - (b) 30<sup>th</sup> June
  - (c) 31<sup>st</sup> December
  - (d) 1<sup>st</sup> January
17. Central Drug Research Institute is situated at
  - (a) Kasauli
  - (b) Calcutta
  - (c) Lucknow
  - (d) Izatnagar.
18. Starches from various source may be characterized by
  - (a) gelatinisation temperature
  - (b) by carbohydrate content
  - (c) by iodine colour test
  - (d) by NMR spectroscopy.

19. Lemon peel is rich in terpene  
(a) thymol (b) eugenol  
(c) citral (d) limonene.
20. Ideally, an antacid should raise the pH of the stomach contents to a value of approximately  
(a) 3.5 (b) 5.5  
(c) 6.5 (d) 7.5
21. Psoriasis is characterized by  
(a) Granulomatous lesions (b) Nodules  
(c) Silvery grey scales (d) Small red vesicles
22. A patient suffering from severe hypertensive crisis would most likely be treated initially with  
(a) guanethidine (b) methyldopa  
(c) reserpine (d) diazoxide.
23. Which of the following agent would be most dangerous to use in a patient already receiving high doses of gentamicin  
(a) ethacrynic acid (b) tetracycline  
(c) propantheline bromide (d) pentobarbital sodium.
24. The level of which of the following enzymes would be elevated in acute pancreatitis?  
(a) alkaline phosphatase (b) acid phosphatase  
(c) lactic dehydrogenase (d) amylase.
25. Which of the following is not a white blood cell?  
(a) basophil (b) eosinophil  
(c) monocyte (d) reticulocyte
26. A penicillin derivative that is most closely related to ampicillin but has much greater activity against 'Pseudomonas' is  
(a) methicillin (b) ticarcillin  
(c) nafcillin (d) dicloxacillin
27. Heroin is  
(a) 3, 6 di-acetyl morphine (b) brown sugar  
(c) addictive (d) All of the above

28. A glycoside present in Nux-vomica seed is  
(a) loganin (b) strychnine  
(c) brucine (d) vomicine.
29. Myxedema is what kind of state  
(a) Hypothyroid (b) Hypoparathyroid  
(c) Hyperthyroid (d) Hyperparathyroid
30. A micro organism that is particularly dangerous to eye is  
(a) *Aspergillus niger* (b) *Bacillus subtilis*  
(c) *E. coli* (d) *Pseudomonas aeruginosa*
31. A Physician has decided upon a course of tetracycline therapy for a patient with renal impairment. Which of the following drug is least likely to accumulate in the patient's blood?  
(a) demeclocycline (b) doxycycline  
(c) minocycline (d) oxytetracycline
32. The peak of the serum concentration vs time curve approximates the  
(a) Point in time when max pharmacological effect occurs.  
(b) Point in time when absorption and elimination of the drug have equalities.  
(c) Maximum concentration of free drug in the urine.  
(d) Time required for essentially the entire drug to be absorbed from the G.I. tract.
33. The time of the peak serum concentration gives some indication of the relative rate of  
(a) absorption (b) distribution  
(c) metabolism (d) elimination
34. Methyl salicylate is also known as  
(a) Camphorated oil (b) peppermint oil  
(c) Salicylamide (d) Oil of wintergreen
35. The concentration of ethyl alcohol in dilute alcohol is  
(a) 20% (b) 50%  
(c) 70% (d) 92%
36. To treat a mild case of scabies , \_\_\_\_\_ is used.  
(a) calamine (b) coal tar  
(c) ichthamol (d) sulphur.

37. Ibuprofen has a pka of 5.5. If the pH of a patient's urine is 7.5, what will be the ratio of dissociated to undissociated drug be?  
(a) 2:1 (b) 100:1  
(c) 20:1 (d) 1:2
38. Which of the following forms of radiation has the greatest penetration power  
(a) alpha-radiation (b) beta-radiation  
(c) gamma-radiation (d) X-rays
39. All the following viscosity builders have been used in ophthalmic solution except  
(a) hydroxy propyl methyl cellulose (b) polyvinyl alcohol  
(c) polyvinyl pyrrolidone (d) veegum.
40. All aqueous solution that freeze at  $-0.52^{\circ}\text{C}$  are isotonic with red blood cells. They are also iso-osmotic with each other. Which of the following apply?  
(a) both statements are true  
(b) both statements are false  
(c) the first statement is true but the second is false  
(d) the second statement is true but the first is false
41. An excellent choice of diluent for compressed vaginal tablet formulation would be  
(a) lactose (b) starch  
(c) sucrose (d) talc
42. A synonym of cold cream USP is  
(a) Galen's cerate (b) petrolatum rose water ointment  
(c) rose water ointment (d) wool fat emulsion
43. The local anesthetic most commonly need in OTC burn remedies is  
(a) benzocaine (b) butamben picrate  
(c) lidocaine (d) phenol
44. Which of the following ingredients is available in OTC aerosol asthmatic products?  
(a) epinephrine (b) ephedrine  
(c) metaproterinol (d) all of the above.

45. Characteristic of inhalation aerosol dosage form include  
(a) avoid first pass metabolism  
(b) rapid onset of action  
(c) can administered large amounts of drug to intended site  
(d) both a and b
46. The capping of a tablet may be result of any of the following except  
(a) excessive lubricant (b) excessive pressure of compression  
(c) excessive fine powder (d) insufficient binder
47. Which of the following is not used primarily as a diluent in tablet formulations?  
(a) magnesium stearate (b) dicalcium phosphate  
(c) lactose (d) mannitol
48. A vehicle for nasal medication should possess all of the following properties except  
(a) an acid pH (b) isotonicity  
(c) high buffer capacity (d) ability to resist growth of micro-organism
49. The most preferred digitalis cardiac glycoside due to its less cumulative effect  
(a) digitoxin (b) gitoxin  
(c) digitonin (d) digoxin
50. An example of nonionic surfactant  
(a) ammonium laurate (b) cetylpyridinium chloride  
(c) dioctyl sodium sulfosuccinate (d) sorbitan monopalmitate
51. All of the following statements concerning toxoids are true except  
(a) toxoids are detoxified toxins  
(b) toxoids are antigen  
(c) toxoids produce permanent immunity  
(d) toxoids produce artificial active immunity.
52. All of the following biologicals are used for active immunization except  
(a) bacterial vaccines (b) bacterial antigens  
(c) human immune sera (d) multiple antigen preparation

53. Methyl paraben is an ester of  
(a) benzoic acid (b) propionic acid  
(c) para amino salicylic acid (d) dipropionic acid
54. Naturally occurring vitamin K<sub>1</sub> is also called  
(a) menadione (b) phytonadione  
(c) tocopherol (d) dihydro tachysterol
55. Even distribution of drug into the blood after an i.v. bolus injection can be expected within \_\_\_\_\_ minutes.  
(a) 1 (b) 10  
(c) 4 (d) 30
56. A suspension is not suitable for what type of injection?  
(a) intra-articular (b) intra-dermal  
(c) intra-muscular (d) intra-venous
57. Isotonicity is critical for which injection?  
(a) intra-articular (b) intra-dermal  
(c) intra-muscular (d) intra-venous
58. Which of the following needles is suitable for the administration of insulin solution  
(a) 16G  $\frac{5}{8}$ " (b) 21G  $\frac{1}{2}$ "  
(c) 21G  $\frac{5}{8}$ " (d) 25G  $\frac{5}{8}$ "
59. The shrinkage that occurs when alcohol and purified water are mixed is primarily due to  
(a) attractive Vander waals forces (b) covalent bonding  
(c) hydrogen bonding (d) ionic bonding.
60. According to USP the instruction 'protect from light' in a monograph indicates storage in a  
(a) dark place (b) coloured glass bottle  
(c) light resistant container (d) tight glass container.