

Faculty of Pharmacy

S.Sinha College Aurangabad

B.Pharm 4th Year

Sub- Pharmaceutics-V

Online Examination-2020

Time: 1 Hrs

Marks: 50

Attempt all question

1. Solubility of gelatin capsule is decreased by
 - a) Fumaric acid
 - b) Formaline
 - c) Titanium oxide
 - d) All of the above
2. Which of the following is water insoluble polymer?
 - a) Hydroxypropyl methyl cellulose
 - b) Ethyl cellulose
 - c) Polyvinyl pyrrolidone
 - d) Hydroxypropyl cellulose
3. In Roche friabilator, plastic chamber revolves at
 - a) 25 rpm
 - b) 50 rpm
 - c) 15 rpm
 - d) 30 rpm
4. Diffusivity of a solute is affected by
 - a) Temperature
 - b) Pressure
 - c) Chemical nature
 - d) All of these
5. Which of following is neutral preservative?
 - a) Chlorocresol
 - b) Chlorobutanol
 - c) Phenyl mercuric acetate
 - d) Thiomersol
6. National Chemical Laboratory (NCL) is located at
 - a) Pune
 - b) Kasauli
 - c) Chennai
 - d) Nagpur
7. The mesh size of USP disintegration apparatus is
 - a) 2 mesh
 - b) 5 mesh
 - c) 10 mesh
 - d) 20 mesh

8. The ratio of dry gelatin/dry glycerin in soft gelatin capsules is
- a) 1/0.4
 - b) 1/0.6
 - c) 0.8/1
 - d) 1/0.8
9. At critical temperature, the surface tension of liquid
- a) increases up to some extent
 - b) does not change
 - c) becomes zero
 - d) becomes negative
10. HLB values of detergents are in the range of
- a) 13-16
 - b) 8-16
 - c) 7-9
 - d) 3-8
11. Oral pharmaceutical aerosols involve the use of all propellants except
- a) Trichloromonofluoromethane
 - b) Dichlorodifluoromethane
 - c) Dichlorotetrafluoromethane
 - d) Isobutene
12. Angle of repose for free flowing powder is
- a) less than 200
 - b) less than 400
 - c) above 500
 - d) above 800
13. The unit of viscosity is
- a) g/cm.sec
 - b) g sec/cm
 - c) g.cm.sec
 - d) g.cm/sec
14. Analytical technique useful in evaluation of aerosols
- a) IR
 - b) GC
 - c) both a & b
 - d) none of these
15. ICH guidelines are related to
- a) Analytical method validation
 - b) Stability studies of tablets
 - c) Stability studies of SR tablets
 - d) all of the above
16. Validation of analytical method considers
- a) Accuracy
 - b) Cost effectiveness
 - c) both a & b
 - d) none of these

17. Pharmacy practice is related to
- a) Patient counseling
 - b) Dispensing
 - c) Inventory control
 - d) All of these
18. Which of the following route used for BCG vaccine
- a) Subcutaneous
 - b) Intradermal
 - c) Transdermal
 - d) Oral
19. Vaccines are sterilized at
- a) 55 – 60 °C
 - b) 134 – 138 °C
 - c) 115 – 118 °C
 - d) 90 – 100 °C
20. Particle size determination of Aerosol is performed by
- a) Cascade Impactor
 - b) Gas Chromatography
 - c) Anderson pipette
 - d) pycnometer
21. Which of the following surfactant is amphoteric in nature
- a) Benzalkonium chloride
 - b) Lecithin
 - c) Polyoxy ether
 - d) Sodium lauryl sulphate
22. Complete separation of tablet into two or more layer is called as
- a) Capping
 - b) Lamination
 - c) Picking
 - d) Mottling
23. In sterile dosage form, all of the following buffers are used except
- a) Acetate
 - b) Citrate
 - c) Borate
 - d) Phosphate
24. LAL test is for
- a) Bacteria
 - b) Pyrogen
 - c) Fungi
 - d) Yeast
25. Capsule '000' size capacity?
- a) Largest
 - b) Middle
 - c) Smallest
 - d) none of these

26. Phase- IV clinical trials deals with?

- a) Pharmacokinetics
- b) Side effects
- c) Adverse drug effect
- d) Post marketing surveillance

27. Minimum velocity required for laminar air flow unit?

- a) 100
- b) 200
- c) 300
- d) 400

28. HPMC phthalate is used

- a) Film coating
- b) Sugar coating
- c) Enteric coating
- d) None of these

29. Which of the following gum have anti diabetic activity

- a) Guar
- b) acacia
- c) Ghati
- d) All of these

30. Disintegrant is not used in

- a) Buccal
- b) Sublingual
- c) Coated tablet
- d) none of these

31. One of the following is not a film defect

- a) Picking & sticking
- b) Hazing
- c) Orange peel
- d) friability

32. Which is not mentioned in USP?

- a) Weight uniformity
- b) Friability
- c) dissolution
- d) disintegration

33. Hansen paddle is used for

- a) liquid
- b) Semisolid
- c) Solid
- d) none of these

34. Paddle is used in

- a) USP I apparatus
- b) USP II apparatus
- c) both a & b
- d) none of these

35. Polysorbate 80 is

- a) Nonionic
- b) Ionic
- c) Cationic
- d) Anionic

36. Macro gel is

- a) Nonionic
- b) Ionic
- c) Cationic
- d) Anionic

37. Which one of the following is capsule plasticizer?

- a) Talc
- b) Glucose
- c) Fructose
- d) Sorbitol

38. India present in Which Zone? According to stability

- a) I Zone
- b) II Zone
- c) III Zone
- d) IV Zone

39. Magnesium stearate is used as

- a) Glidant
- b) Lubricant
- c) Diluent
- d) Disintegrant

40. Which one of the following is not a suspending agent?

- a) Methyl cellulose
- b) Tragacanth
- c) Talc
- d) Acacia

41. How many tablets are used in tablet weight variation test?

- a) 10
- b) 15
- c) 20
- d) 25

42. Enteric coating material is

- a) Povidone
- b) Starch
- c) Lactose
- d) Cellulose acetate phthalate

43. Noyes Whitty equation is used for

- a) Disintegration
- b) Dissolution
- c) Dilution
- d) Dissociation

44. More than one drug dissolved in homogenous system is called
- a) True solution
 - b) Emulsion
 - c) Suspension
 - d) Colloid
45. What is formula for angle of repose
- a) $\cot \alpha = H/R$
 - b) $\sin \alpha = F/R$
 - c) $\cos \alpha = H/R$
 - d) $\tan \alpha = H/R$
46. Industrial Toxicology Research Centre is located at
- a) Kanpur
 - b) Iggatnagar
 - c) Allahbad
 - d) Lucknow
47. The product patent was started in India
- a) 2002
 - b) 2003
 - c) 2004
 - d) 2005
48. Inadequate spreading of the coating solution before drying is called as
- a) Hazing
 - b) Blistering
 - c) Cracking
 - d) Orange peel effect
49. Enteric tablet coating material is
- a) Sodium carboxy methyl cellulose
 - b) Hydroxypropyl methyl cellulose
 - c) Povidone
 - d) Polyvinyl phthalate acetate
50. Colloidal mill is used for
- a) Emulsion
 - b) solution
 - c) Suspension
 - d) Injection