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### TEST SCHEDULE (TEST -3)

1. TEST DATE: 05-11-2023
2. TEST PATTERN: MCQ
3. TEST TIMING: 6:00 – 8:00 PM
4. MODE OF TEST: ONLINE
5. SUBJECTS & TOPIC COVERED
  - A. *Pharmaceutics*: Pharmaceutical Aids & Preservatives
  - B. *Pharmaceutical Chemistry*: Volumetric (titration) & Gravimetric Analysis
  - C. *Pharmacognosy*: Quality Control of Crude Drugs
  - D. *Pharmacy Law & Ethics*: Drug and cosmetic act 1940 and Rules 1945 and New Amendments

**PHARMACEUTICS (15 Questions)**

**1. Saccharin is an example of .....**

- A. Natural sweetening agent
- B. Flavoring agent
- C. Humectant
- D. Artificial sweetening agent

**2. Which of the following is natural colorant.....**

- A. Amaranth
- B. Carotenoids
- C. Erythrosine
- D. Eosin

**3. Which of the following is a synthetic sweetener?**

- A. Glucose
- B. Sucrose
- C. Aspartame
- D. Sorbitol

**4. To increase the viscosity of the liquid, which of the following agents are used:**

- A. PVP
- B. Methyl Cellulose
- C. Sodium Carboxy Methyl Cellulose
- D. All the above

**5. Most widely used flavouring agent in the food industry:**

- A. Menthol
- B. Chloroform
- C. Monosodium glutamate
- D. None of the above

**6. Pharmaceutical aids are also called.....**

- A. An Additive
- B. A Caramel
- C. An Annatto

D. An Achiote

**7. A green dye made from:**

- A. Betanin
- B. Achiote
- C. Caramel
- D. Chlorella algae

**8. .... is an artificial sweetener.**

- A. Dextrose
- B. Sucrose
- C. E133
- D. Maltose

**9. One substance commonly added to pharmaceutical product in order to prolong its shelf life called:**

- A. Colouring Agent
- B. Buffering Agent
- C. Preservative
- D. Co solvent

**10. Which is/are the mechanism based preservative?**

- A. Antimicrobial Agents
- B. Antioxidants
- C. Chelating Agents
- D. All of the above

**11. What is the full form of BHA preservative?**

- A. Butylated hydroxyazole
- B. Butylated hydroxyanisole
- C. Butylated hydroxyaazolidine
- D. Butylated hydroxyanion

**12. Which is/are the Antioxidant preservative?**

- A. Vitamin E
- B. Vitamin C
- C. BHA & BHT

D. All of the above

**13. Which acts against gram positive and gram-negative microorganism responsible for causing degradation of pharmaceutical preparation?**

- A. Antioxidants
- B. Antimicrobial Agents
- C. Chelating Agents
- D. All of the above

**14. Which is/are the antimicrobial preservative?**

- A. Sodium benzoate
- B. Sorbate
- C. Methyl paraben
- D. All of the above

**15. Citric Acid is a .....preservative:**

- A. Antimicrobial Agents
- B. Antioxidants
- C. Chelating Agents
- D. All of the above

**PHARMACEUTICAL CHEMISTRY (15 Questions)**

**16. Which of the following is used as an indicator in the titration of a weak acid and a strong base?**

- A. Methyl orange (3 to 4.6)
- B. Bromothymol blue (6 to 7.5)
- C. Phenolphthalein (8 to 9.6)
- D. Methyl red (5 to 6.9)

**17. If 30 ml of acid is neutralised by 15 ml of 0.2 N alkali, then the concentration of acid is \_\_\_\_\_.**

- A. 0.2 N
- B. 0.3 N
- C. 0.4 N

D. 0.1N

**18. The ideal indicator for the titration of strong acid and weak base should have a pH range between \_\_\_\_\_.**

- A. 3 - 5
- B. 4 - 6
- C. 6 - 8
- D. 7 - 9

**19. Which of the following is used as an indicator in the titration of a strong acid and a weak base?**

- A. Phenolphthalein
- B. Thymol blue
- C. Fluorescein
- D. Methyl Orange

**20. \_\_\_\_\_ is used as primary standard for standardization of NaOH.**

- A. Sodium bicarbonate
- B. Oxalic acid
- C. Potassium dichromate
- D. Sodium carbonate

**21. The number of moles of a solute per litre of a solution is:**

- A. Normality
- B. Molarity
- C. Molality
- D. Formality

**22. 20gm NaOH in 500 ml =**

- A. 0.2 N
- B. 1 N
- C. 0.05 N
- D. 0.5 M

**23. The titration carries out between KCl and AgNO<sub>3</sub> is termed as titration.**

- A. Oxidation-Reduction
- B. Acid - Base
- C. Complexometric
- D. Precipitation

**24. Unintentional inclusion of impurities with the precipitate during gravimetric analysis called:**

- A. Co-precipitation
- B. Filtration
- C. Post-precipitation
- D. Precipitation

**25. In barium sulphate (BaSO<sub>4</sub>) gravimetric analysis, which is the most commonly used precipitating reagent?**

- A. Barium chloride (BaCl<sub>2</sub>)
- B. Silver nitrate (AgNO<sub>3</sub>)
- C. Sodium chloride (NaCl)
- D. Sulphuric acid (H<sub>2</sub>SO<sub>4</sub>)

**26. Which step in gravimetric analysis involves the separation of the precipitate from the solution?**

- A. Precipitation
- B. Filtration
- C. Co- solvency
- D. Electrochemical

**27. Which substance is typically used to convert the precipitate into a suitable form for weighing in gravimetric analysis?**

- A. Nitric acid (HNO<sub>3</sub>)
- B. Deionized water
- C. Sulfuric acid (H<sub>2</sub>SO<sub>4</sub>)
- D. Dilute hydrochloric acid (HCl)

**28. In gravimetric analysis, what is the role of dilute acid in the post-precipitation step?**

- A. To increase the mass of the precipitate
- B. To dissolve the precipitate
- C. To enhance the colour change during titration
- D. To remove volatile impurities

**29. Which is commonly used as a filter paper in the filtration step of gravimetric analysis?**

- A. Cellulose nitrate
- B. Glass wool
- C. Whatman filter paper
- D. Cotton balls

**30. In gravimetric analysis, which step involves heating the solution and precipitate to promote the formation of a solid phase?**

- A. Precipitation
- B. Digestion
- C. Co-precipitation
- D. Filtration

**PHARMACOGNOSY (15 Questions)**

**31. Stomata of senna is .....**

- A. Anisocytic
- B. Paracytic
- C. Diacytic
- D. Actinocytic

**32. Leaf based crude drug is.....**

- A. Belladonna
- B. Clove
- C. Cinchona
- D. Vinca

**33. The plant is having multiple stems and shorter height is known as.....**

- A. Herb
- B. Tree
- C. Shrub
- D. Creeper

**34. Tissue and cells cultured in a liquid medium (without agar) produce a:**

- A. Callus culture
- B. Suspension culture
- C. Inorganic culture
- D. Protoplast culture

**35. Most of the alkaloids have taste:**

- A. Sweet
- B. Sour
- C. Bitter
- D. Spicy

**36. Agar is used as:**

- A. Emulsifying agent
- B. Binder
- C. Disintegrate
- D. Preservative

**37. Which of the following is not a part of flower?**

- A. Corolla
- B. Calyx
- C. Gynoecium
- D. Bark

**38. The main function of stomata is:**

- A. Exchange of gases
- B. Elongate the roots
- C. Supply the minerals
- D. Prepare the food

**39. Organoleptic evaluation is also known as.....**

- A. Microscopic
- B. Biological
- C. Technical
- D. Morphological

**40. It is the average number of palisade cells below on epidermal cells is known as.....**

- A. Stomatal number
- B. Stomatal index
- C. Palisade ratio
- D. Vein islet number

**41. It is an average number of stomata present in sq. mm of epidermis is known as....**

- A. Stomatal number
- B. Stomatal index
- C. Palisade ratio
- D. Vein islet number

**42..... Is the area surrounded by the veins.**

- A. Stomatal number
- B. Palisade
- C. Stomatal
- D. Islet

**43. Which evaluation, drug are evaluated by means of our sensory organs?**

- A. Physical evaluation
- B. Chemical evaluation
- C. Organoleptic evaluation
- D. Microscopic evaluation

**44. The residue remaining after incineration of a known quantity of the air crude drug is known as the .....of the drug?**

- A. Moisture content
- B. Ash content
- C. Filtrate content
- D. Dry content

**45. Purity means = .....**

- A. Quantity
- B. Quality
- C. Solubility
- D. Identity

**PHARMACY LAW & ETHICS (15 Questions)**

**46. The year in which Drug and Cosmetic Act was enforced:**

- A. 1945
- B. 1940
- C. 1947
- D. 1948

**47. Under which schedule 27 cosmetics are required to comply with Indian Standards?**

- A. Schedule S
- B. Schedule P
- C. Schedule C
- D. Schedule D

**48. Major amendments in Drug and Cosmetics Act was made in:**

- A. 1956
- B. 1948
- C. 1984
- D. 1982

**49. One of the following form needed for cosmetic manufacturer:**

- A. Form 32
- B. Form 35

- C. Form 27
- D. Form 22

**50. Under which schedule the Drug and Cosmetic Rule 1945 deals with requirement for factory premises for manufacturing of cosmetics?**

- A. Schedule M(I)
- B. Schedule M(II)
- C. Schedule N
- D. Schedule O

**51. Drug retail sale license are issued by:**

- A. Drug Controller Authority of the district
- B. Drug Controller Authority of the State.
- C. Drug Controller Authority of the country
- D. None of the above

**52. Which product is specifically excluded from cosmetics in the FDA act and hence no cosmetic or drug regulation are applicable to it?**

- A. Soap
- B. Lipbalm
- C. Gels
- D. Shampoo

**53. Name of the person from the register can be removed only by the order of:**

- A. Executive Committee of State PCI
- B. Executive Committee of Centre PCI
- C. Ex officer of State PCI
- D. Secretary of PCI

**54. Which solvent is most useful for bromo acid in lipstick?**

- A. Castor Oil
- B. Olive Oil
- C. Mustard Oil

D. Coconut Oil

**55. Anyone who contravenes the act and rules for manufacturing cosmetic punishable with:**

- A. Imprisonment upto 5 year & fine up to one thousand or both
- B. Imprisonment upto 3 months & fine up to one thousand or both
- C. Imprisonment upto 2 years & fine up to three thousand or both
- D. Imprisonment upto 1 year & fine up to one thousand or both

**56. What kind of licence is required to import cosmetics and toiletries into the country?**

- A. Special import licence
- B. Import licence
- C. Import & export licence
- D. None of the above

**57. Label contain figure representing the batch number being proceeded by the letter:**

- A. B
- B. C
- C. D
- D. M

**58. Fluoride content in toothpaste shall contain not more than:**

- A. 100 ppm
- B. 1000 ppm
- C. 10 ppm
- D. 500 ppm

**59. Which section of FDA states that no person shall sell a cosmetic product that has in it any substance that may injured the health of the user?**

A. Section 16

B. Section 18

C. Section 12

D. Section 23

**60. The federal trade Commission Act was introduced to exercise control over fear competition in:**

- A. 1914
- B. 1918
- C. 1932
- D. 1947