

11. Effervescent granules contain medicaments mixed with citric acid and _____ that react together to produce effervescence.
- | | |
|---------------------|-----------------------|
| a. Sodium Hydroxide | b. Sodium Bicarbonate |
| c. Sodium Chloride | d. None of the above |
12. The concentration of chlorobutanol as preservative in monophasic liquids is
- | | |
|---------|---------|
| a. 0.3% | b. 0.8% |
| c. 0.6% | d. 0.5% |
13. Gum acacia is used in the preparation of _____
- | | |
|---------------|-----------------|
| a. Mouth wash | b. Throat paint |
| c. Gargles | d. Emulsion |
14. Mandl's Paint is also known as:
- | | |
|---------------------------------|----------------------------|
| a. Compound Iodine throat paint | b. Aqueous Iodine solution |
| c. Strong Iodine solution | d. Lugol's solution |
15. Bottle method is used for the preparation of emulsion of _____
- | | |
|-----------------|--------------------|
| a. Cinnamon oil | b. Peppermint oil |
| c. Castor Oil | d. Liquid Paraffin |
16. Emulgents reduce _____ between two phases
- | | |
|---------------|------------------------|
| a. Erosion | b. Interfacial tension |
| c. Suspension | d. Viscosity |
17. _____ suppositories are generally made from Theobroma oil and weigh about 1-2 g.
- | | |
|------------|-------------|
| a. Rectal | b. Nasal |
| c. Vaginal | d. Urethral |
18. The pH of nasal drops should be
- | | |
|------------|------------|
| a. 1-2 | b. 3.5-4.5 |
| c. 5.5-7.5 | d. 8.5-9.5 |
19. The vehicle present in Linctus is
- | | |
|-------------------|----------------------|
| a. Aromatic water | b. Water |
| c. Syrup | d. None of the above |
20. Choose the correct order of bio availability in the following dosage forms
- | | |
|--|--|
| a. Suspension > Solution > Capsule > Compressed Tablet > Coated tablet | b. Solution > Suspension > Coated tablet > Compressed Tablet > Capsule |
| c. Solution > Suspension > Capsule > Compressed Tablet > Coated tablet | d. Solution > Coated tablet > Capsule > Compressed Tablet > Suspension |

(PART-B: Descriptive)

Time : 2 hrs. 30 min.

Marks : 35

[Answer any seven (7) questions]

1. Define allegation method? Calculate the amount of 75%, 30%, 60% and 90% alcohol to be mixed to prepare 400ml of 50% alcohol using allegation method. 5

2. Write down "Latin Terms", abbreviated forms along with their "meaning in English" used in Prescription of the following: "sumendus", "immediately", "after meal", "every hour", "undecim", "anti cibos", "Brachis", "statim", "cochleare magnum", "liquor"? 5

3. If 12 Cocoa butter suppositories containing 40% drugs weighs 15.5 grams, what is the displacement value of drug? 1g suppository mould were used in this process. 5

4. Define cracking and creaming? Write the fluorescence test and conductivity for the identification of the type of emulsion 1+1+1.
5+1.5=
5

5. Define simple syrup I.P.? Simple syrup is a self-preservative, justify? 1+1.5+
2.5=5
Write the differences between emulsion and suspension.

6. Define powders. Describe geometric dilution. Define eutectic mixtures 1+3+1
=5

7. Discuss the various types of suppositories. 5

8. Define potent drug and efflorescent powders? What will be the dose for a child of 5 years if the adult dose of the drug is 400 mg according to Young's formula? 2+3=5

9. Define the term posology? Discuss idiosyncrasy, antagonism, presence of disease and tachyphylaxis as a factor influencing posology with one example each. 1+4=5

(PART-C : Long type questions)

[Answer any two (2) questions]

1. Draw a modern prescription for a patient with an infection and fever. Describe the various parts of prescription. Describe any two errors in prescription 3+5+2=10
2. Write a note on incompatibilities 10
3. Write the various preparation technique for emulsion? What is the Oil:Water:Gum ratio of peppermint oil for emulsion preparation. Give one example each of natural, synthetic and inorganic emulsifying agent. 7.5+1+1.5=10

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