

**B. PHARM.
FIRST SEMESTER
PHARMACEUTICS-I
BP103T**

**SET
C**

[USE OMR FOR OBJECTIVE PART]

Duration : 3 hrs.

Full Marks : 75

Time : 30 min.

(PART-A: Objective)

Marks : 20

1×20=20

Choose the correct answer from the following:

- Gum acacia is used in the preparation of _____
 - Mouth wash
 - Throat paint
 - Gargles
 - Emulsion
- Choose the correct order of bio availability in the following dosage forms
 - Suspension > Solution > Capsule > Compressed Tablet > Coated tablet
 - Solution > Suspension > Coated tablet > Compressed Tablet > Capsule
 - Solution > Suspension > Capsule > Compressed Tablet > Coated tablet
 - Solution > Coated tablet > Capsule > Compressed Tablet > Suspension
- Mandl's Paint is also known as:
 - Compound Iodine throat paint
 - Aqueous Iodine solution
 - Strong Iodine solution
 - Lugol's solution
- Effervescent granules contain medicaments mixed with citric acid, tartaric acid and _____ that react together to produce effervescence.
 - Sodium Hydroxide
 - Sodium Bicarbonate
 - Sodium Chloride
 - None of the above
- The pH of nasal drops should be
 - 1-2
 - 3.5-4.5
 - 5.5-7.5
 - 8.5-9.5
- Bulk powders are
 - Potent
 - Non-potent
 - Both a and b
 - None
- The vehicle present in Linctus is
 - Aromatic water
 - Water
 - Syrup
 - None of the above
- _____ suppositories are generally made from Theobroma oil and weigh about 1-2 g.
 - Rectal
 - Nasal
 - Vaginal
 - Urethral

9. The real strength of 40° U.P. is
 - a. 34.23 %v/v
 - b. 3.43 %v/v
 - c. 47.0 %v/v
 - d. 73 %v/v
10. Bottle method is used for the preparation of emulsion of _____
 - a. Cinnamon oil
 - b. Peppermint oil
 - c. Castor Oil
 - d. Liquid Paraffin
11. Emulgents reduce _____ between two phases
 - a. Erosion
 - b. Interfacial tension
 - c. Suspension
 - d. Viscosity
12. The president of the first Indian Pharmaceutical Congress is
 - a. Prof M. L. Shroff
 - b. Col. R. N. Chopra
 - c. Dr. B. N. Ghosh
 - d. Ghulam Nabi Azad
13. In Pharmaceutical calculation, 180 mg is equal to _____ grains
 - a. 1
 - b. 3
 - c. 2
 - d. 1.5
14. The Drugs & Cosmetics Act was passed in
 - a. 1940
 - b. 1945
 - c. 1955
 - d. 1965
15. The weight of 200 ml of alcohol of density 0.790 g/ml is:
 - a. 158.0 mg
 - b. 0.158 Kg
 - c. 1580 g
 - d. 1580 g
16. The adult dose is 10 mg and the age of the child is 10 years. Calculate the dose of the child.
 - a. 4.5 mg
 - b. 10.1 mg
 - c. 50 mg
 - d. 1 mg
17. Development of tolerance due to repeated drug dosing is called
 - a. antagonism
 - b. tachyphylaxis
 - c. synergism
 - d. idiosyncrasy
18. The part of the prescription called Inscription contains
 - a. Signature & Address
 - b. Name & age
 - c. Name & quantity of ingredients
 - d. Registration number of physicians
19. The Greek word 'Posos' in Posology means
 - a. Dosage form
 - b. How much
 - c. How to take
 - d. Drug
20. The concentration of chlorobutanol as preservative in monophasic liquids is
 - a. 0.3%
 - b. 0.8%
 - c. 0.6%
 - d. 0.5%

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(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