

**D.PHARM.
SECOND YEAR (SPECIAL REPEAT)
PHARMACEUTICS-II
DPH201T**

Duration : 3 hrs.

Full Marks : 80

1. Use separate answer scripts for Group-A and Group-B.
2. In **Group-A**: Question number 1 is **compulsory** and answer any 3 from the rest.
3. In **Group-B**: Question number 6 is **compulsory** and answer any 3 from the rest.

Group-A

1. Define prescription. Explain the various parts of Prescription. 10
2. Write about Simple Syrup. 5+2+3=10
3. Calculate the weight in mg of 1.5 Litre of fixed oil whose density is 0.9624 g/ml. Write about three methods of mixing of powders. Convert 30°C to °F. 3+5+2=10
4. Define the term proof spirit. Discuss five factors affecting posology. Give two examples each of: i) Preservatives ii) Colouring agent iii) Antioxidant iv) Solvents. 1+5+4=10
5. Discuss the various types of suppositories. Write the differences between
a. Flocculated and non-flocculated suspension
b. Emulsion and suspension 5+2.5+2.5=10

Group-B

6. Define Suspension. Write a note on depilatories. 2+8=10
7. Discuss the test to distinguish the type of emulsion. Describe creaming with Stoke's law. What is the concentration of sucrose in water for simple syrup I.P.? 6+3+1=10
8. Briefly describe dialysis fluid and total parenteral nutrition. Describe leakage test and Coulter Counter method for clarity test of Parenteral preparation. 3+2+5=10

9. Calculate the displacement value of zinc oxide in Theobroma oil suppositories containing 40% of zinc oxide and is prepared in 1g mould. The weight of 8 suppositories is 11.74g. Write the good qualities of suppository bases. Discuss the storage condition of ointments.

5+2.5+2.5=10

10. Discuss about mouth wash and lotion.

10

= = *** = =