

Roll No

Total No. of Questions : 10

Total No. of Printed Pages : 4

PHM-3.5.2. PHARMACEUTICS- V
(PHARMACEUTICAL
TECHNOLOGY - I)

(B. Pharmacy 5th Semester, 2056)

Time : 3 Hours

Max. Marks : 80

Note : Section A is compulsory. Attempt any four questions from Section B and attempt any three questions from Section C.

SECTION - A

Answer all of the following :

(15x2=30)

1. a) Write the uses of human fibrin foam.

P - 438

Turn over

(2)

- b) Write the collection of whole human blood.
- c) Write few examples and uses of preservatives used in liquid orals.
- d) What is HLB range for spans and write their uses?
- e) Write the ingredients in toothpaste.
- f) Write any three ideal requirements of a suppository base.
- g) Define clear gel.
- h) Define dry extract.
- i) Write any two differences between ointments and creams.
- j) What is solid-fat index?
- k) Define maceration.
- l) What are the advantages of chlorofluorocarbons over compressed gases?
- m) What are three different phases present in three-phase system of an aerosol?

(3)

- n) What is bromomixture?
- o) Why pyrogen test is not necessary in ophthalmic preparations?

SECTION - B

Answer any four questions

(4 x 5 = 20)

- 2. Write a short note on propellants
- 3. What are advantages of concentrated human RBC over whole human blood? Write in brief preparation of concentrated human RBC.
- 4. Write a note on penetration enhancers.
- 5. Explain the formulation of shampoos.
- 6. Write a short note on tinctures.

SECTION - C

Answer three questions.

(3 x 10 = 30)

7. Describe the manufacturing procedure, packing and evaluation of suppositories.

8. Explain about the evaluation of suspensions.

9. a) Write the additives used in eye drops.

(5 Marks)

b) Write a short note on ophthalmic ointments.

(5 Marks)

10. Describe the quality control tests for aerosols.

R

T

1

1