Roll No. ☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 02**

Total No. of Questions : 10

B.Pharmacy   (Sem.–5)
PHARMACEUTICAL TECHNOLOGY-I
Subject Code : PHM-352
Paper ID : [D0123]

Time : 3 Hrs.   **Max. Marks : 80**

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.**

SECTION-A

1.   **Answer briefly :**

a) Name two emulsifying agents.

b) What are propellants?

c) Why is triethanolamine added to carbopol?

d) What are dry liquid extracts?

e) Why is borax added to cleansing cream?

f) Enlist the functions of skin.

g) Enumerate the ingredients of an eye ointment.

h) What do you understand by human normal immunoglobulin?

i) What type of containers is used in ophthalmic preparations?

j) What is the significance of discharge rate in aerosol technology?

k) Discuss the evaluation of clear liquid.

l) Enlist the solvents used in nail polish,

m) What are plasma expanders?

n) Which properties are desired of an ideal suppository base?

o) What are tinctures?

SECTION-B

Q2. Write a note on formulation of eye liners.

Q3. Explain manufacture and evaluation of creams.

Q4. Define aerosols. Discuss the various pharmaceutical applications of aerosols.

Q5. What is maceration? How is it different from percolation? Explain using diagram.

Q6. What are advantages of concentrated human RBC over whole human blood? Write in brief preparation of concentrated human RBC.

SECTION-C

Q7. What are liquid dosage forms? Discuss evaluation of Suspensions and Emulsions.

Q8. What are suppositories? Discuss the importance of displacement value in the formulation of suppositories. Discuss the evaluations parameters of suppositories.

Q9. Describe the quality control tests for aerosols.

Q10. Discuss in detail the formulation of toothpastes. Also enlist the various evaluation parameters.