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Total No. of Pages : 02

Total No. of Questions : 24

**B.Pharma. (2012 to 2016) (Sem.-5)****PHARMACEUTICS-VI****(Pharmaceutical Technology-I)****Subject Code : BPHM-502****M.Code : 70428****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****Answer briefly :**

1. Define PVP.
2. What are Propellants?
3. Comment on storage of whole human blood.
4. What are Dentifrices?
5. Differentiate between anti acne cream and cleansing cream.
6. Enlist the functions of skin.
7. Differentiate between mouthwashes and gargles.
8. Define Human Normal Immunoglobulin.
9. Requirements for formulating baby care products.
10. Ideal properties of ophthalmic preparations.



11. Discuss the evaluation of clear liquid.
12. Enlist the solvents used in nail polish.
13. What is dextran and where is it used?
14. Enlist various suppositories bases.
15. Give two applications of pharmaceutical aerosols.

#### SECTION-B

16. Write a note on deodorants and anti-perspirants.
17. Explain manufacture and evaluation of creams.
18. Discuss the formulation of aerosols. Give their applications.
19. Discuss in detail the various factors influencing penetration of semi solid dosage form into the skin.
20. What are advantages of concentrated human RBC over whole human blood? Write in brief preparation of concentrated human RBC.

#### SECTION-C

21. Discuss the formulation and test for evaluation of emulsions.
22. Define and discuss the importance of displacement value in the formulation of suppositories. Also enlist the tests for evaluation of suppositories.
23. Describe the quality control tests for aerosols.
24. Explain the manufacturing and evaluation techniques of lipsticks.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**