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Total No. of Pages : 02

Total No. of Questions : 22

**B.Pharma (2017 Batch) (Sem.-5)**  
**INDUSTRIAL PHARMACY-I (THEORY)**  
Subject Code : BP-502T  
M.Code : 76787

Time : 3 Hrs.

Max. Marks : 75

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and students have to attempt any SEVEN questions.

**SECTION-A****Define with examples :**

- Q1. Elixers
- Q2. Polymorphism
- Q3. What is BCS classification of drugs?
- Q4. Give Significance of tablet coating.
- Q5. Differentiate between pH and PKa
- Q6. Differentiate between Suspension and emulsion
- Q7. Give any two advantages and disadvantages of soft gelatin capsules over hard gelatin capsules.
- Q8. What is Isotonicity? Give its significance in parenteral formulations.
- Q9. Give lable for eye drop formulation.
- Q10. Give the uses of cold cream over vanishing cream.





**SECTION-B**

Q11. Enumerate preparation and evaluation of tablets.

Q12. Explain the production of large volume parenterals.

Q13. Write short note on :

a. Hair dyes

b. Lipsticks

**SECTION-C**

Q14. Explain quality control tests of packaging materials.

Q15. What are different types of aerosol systems?

Q16. Give methods of preparation of shampoos and sunscreen preparations.

Q17. Explain preparation and evaluation of eye ointments.

Q18. Enumerate essential requirements for injectable formulations.

Q19. Explain pelletization process.

Q20. How soft gelatin capsules and hard gelatin capsules prepared?

Q21. Explain how physicochemical properties effect preformulation aspect of formulation?

Q22. Explain the formulation of liquid orals with examples.

**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.**

