

Roll No.

Total No. of Pages :02

Total No. of Questions : 13

B.Pharma. (Sem.-5)

INDUSTRIAL PHARMACY-I (THEORY)

Subject Code :BP502T

M.Code : 76787

Date of Examination : 15-12-22

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 student has to attempt any TWO questions.**
3. **SECTION-C contains NINE questions carrying FIVE marks each and student has to attempt any SEVEN questions.**

SECTION-A

- 1. Explain the following :**

- HEP A
- Diluent
- BCS
- Sterility Testing

Differentiate between

- e. Primary and Secondary Packaging
- f. Hydrolysis and Oxidation
- g. Cold cream and Vanishing cream
- h. Give any two advantages and disadvantages of capsules over Tablets.
- i. Which Parenteral formulations are isotonicity and Why?
- j. Give label for suspension formulation

SECTION-B

2. How tablets are evaluated as per IP?
3. Explain the production of SVP and how it is different from LVP.
4. **Write short note on :**
 - a. Hair preparations
 - b. Sun screen preparations

SECTION-C

5. Enumerate quality control tests of packaging materials.
6. Explain aerosol containers. How they are different from containers for other liquid formulations?
7. How cold cream prepared and evaluated?
8. Explain sterility test for sterile ophthalmic preparations.
9. Explain manufacturing of liquid orals.
10. What are pellets? Detail industrial prospective of pellet making process.
11. How soft gelatin capsules prepared and evaluated?
12. How physicochemical properties of active pharmaceutical Ingredients influences formulation aspect?
13. Explain the Physics behind making of tablets.

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.