

**B.PHARM. DEGREE EXAMINATION
THIRD YEAR
PAPER III – PHARMACEUTICAL DOSAGE FORMS AND COSMETIC
TECHNOLOGY**

Q.P. Code: 564263

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Explain Total Parenteral Nutrition (TPN) and about the additives used for the development of the intravenous formulations.
2. Discuss the formulation and evaluation of eye drops.

II. Write notes on: (8 x 5 = 40)

1. Salient features of ISO 9000.
2. Evaluation of Injectable solutions.
3. Processing and storage of whole human blood.
4. Advantages and limitations of plastics as packaging material.
5. Define displacement value and explain its importance in formulation of suppositories.
6. Factors influencing penetration of drug from semisolid dosage forms.
7. Formulation and evaluation of shampoo.
8. Discuss the suspending agent used to stabilize the suspensions.

III. Short answers on: (10 x 2 = 20)

1. Human immunoglobulin.
2. Blister package.
3. Sorption.
4. Types of clear liquid preparations.
5. Total quality management.
6. Face powder.
7. Packaging of pharmaceutical aerosols.
8. Organoleptic additives.
9. What are the cautions given in the label for ophthalmic products?
10. Hydrocarbon bases used in ointment preparation.
