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Seat Number

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PANKH-08

BP-502T

Industrial Pharmacy-I

(735502)

Total Pages : 2]

Time : 3 Hours

Max. Marks : 75

**Note :** (1) Do not write anything on question paper except Seat No.

(2) All questions are compulsory.

(3) No supplement will be provided.

(4) Figures to the right indicate full marks.

1. Answers the following questions :

10×2=20

- (i) Give the objectives of Preformulation Studies.
- (ii) Give the reason behind direct compression of tablets.
- (iii) Explain in short role of plasticizers in tablet coating.
- (iv) What is wetting in suspension ?
- (v) Comment on Emulsification.
- (vi) How to adjust hardness of gelatin shell ?
- (vii) Write different sizes of hard gelatin capsules shell with their respective volume.
- (viii) Give the ideal requirement of parenteral products.
- (ix) Why ophthalmic preparations should be isotonic ?
- (x) Why propellants are added in Aerosols ?

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2. Answer any *two* out of three :

2×10=20

- (i) Give the objectives of tablet coating. Discuss excipients used in film coating. Add a note on evaluation of coated tablets.
- (ii) Define Capsules. Explain method of manufacturing of soft gelatin capsules. Add a note on properties of gelatin.
- (iii) Define Eye Drops. Describe in brief formulation of eye drops. Add a note on various adjuvants used in preparation of eye drops.

3. Answer any *seven* out of nine :

7×5=35

- (i) Write a note on preformulation studies.
- (ii) Explain BCS with examples.
- (iii) Explain IPQC test for tablets.
- (iv) Describe water attack test.
- (v) Explain Pyrogen Test.
- (vi) Discuss formulation of cold cream.
- (vii) Explain evaluation of Aerosols.
- (viii) Discuss formulation of Lipsticks.
- (xi) What is the composition of glass ? Discuss the different types of glasses used for making of container.