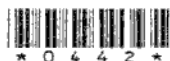


B. Pharm. First Semester (New Course)
35303 : BP 103 T - Pharmaceutics - I

P. Pages : 1
 Time : Three Hours



AU - 0702
 Max. Marks : 75

- Notes :
1. Illustrate your answer necessary with the help of neat sketches.
 2. Solve all questions.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Solve following questions. 20
 - a) Give formula for pediatric dose calculation.
 - i) Based on age
 - ii) Based on body weight
 - b) What do you mean by Geometric dilutions.
 - c) Define-
 - i) Gargles
 - ii) Ear drops
 - d) Differentiate between lotion and liniment.
 - e) Define displacement value and give its importance.
 - f) Define proof spirit and give its types.
 - g) Give the metric equivalent of the following.
 - i) One fluid ounce
 - ii) One pint
 - iii) One grain
 - iv) One pound
 - h) Give classification of dosage forms.
 - i) Give any two tests for the identification of types of emulsion.
 - j) Enlist parts of prescription.
2. Solve **any two** questions of the following. 20
 - a) Define incompatibility. Discuss in detail physical and chemical incompatibilities with examples.
 - b) Define semisolid dosage forms. Explain various factors influencing dermal penetration of drugs. Add a note on preparation of ointments.
 - c) Discuss preparation of any two monophasic liquid dosage forms.
3. Solve **any seven** questions of the following. 35
 - a) Give various advantages and disadvantages of liquid dosage forms.
 - b) Give various steps in handling of prescription.
 - c) Explain the scope of pharmacy as a career.
 - d) Explain methods of preparation of emulsions.
 - e) Explain various techniques of solubility enhancement.
 - f) Explain flocculated and deflocculated suspensions.
 - g) Explain creaming and cracking of emulsions.
 - h) Give various ideal properties of suppository base.
 - i) Write a short note on Indian pharmacopoeia.
