



**BBD-014-1041005**

Seat No. \_\_\_\_\_

**Master of Pharmacy Management (Sem. I)**

**Examination**

**July - 2021**

**Pharmaceutics-I**

**Faculty Code : 014**

**Subject Code : 1041005**

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Figure to the right indicates marks.  
(2) Draw neat and clean diagrams as required.

**1** Answer the following questions: **10×2=20**

- (a) What concentration of sodium chloride would be required to make 2% solution of zinc sulphate iso-osmotic with blood plasma. (freezing point of 1% solution of zinc sulphate is 0.086 °c, freezing point of 1% solution of sodium chloride is 0.576 °c).
- (b) Define Prescription. Enlist various parts of Prescription.
- (c) Explain the term :
  - (1) Isotonic solution
  - (2) Iso-osmotic solution.
- (d) Classify the dosage form according to the route of administration.
- (e) Find out how many parts of 40%, 60% and 20% alcohol should be mixed to get 35% alcohol.
- (f) Give three formula for calculation of dose for infants and children.
- (g) Classify the powders.
- (h) Define the Gargles and Mouthwashes.
- (i) Write down the classification of suspension.
- (j) Define suppository. Enlist different type of suppositories.

- 2** Answer any **two** out of the following : **2×10=20**
- (a) Explain Physical Incompatibility with example.
  - (b) Write in detail about errors in prescription.
  - (c) Define liquid dosage form. Explain in detail the excipients used in formulation of liquid dosage forms.
- 3** Answer any **Seven** out of the following: **7×5=35**
- (a) Define pharmacopoeia. Explain in detail Indian Pharmacopoeia.
  - (b) Explain in brief about the factors affecting posology.
  - (c) Write a short note on dusting powders.
  - (d) Write a short note on Cream.
  - (e) What is Syrup. Explain the methods of preparation of syrup.
  - (f) Explain the factors affecting stability of suspension.
  - (g) Explain in brief about the test for the identification of type of Emulsion.
  - (h) Write a short note on suppository base.
  - (i) Explain in brief Evaluation of semi solid dosages forms.
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