



**JBL-M201911**      Seat No. \_\_\_\_\_  
**First Year Pharm. D. Examination**  
**December - 2019**  
**Pharmaceutics**

Time : 3 Hours ]

[ Total Marks : 70

**1** Answer the following questions :  **$10 \times 2 = 20$**

- (a) Explain allegation.
- (b) Define lotion and liniment.
- (c) Enlist the errors of a prescription.
- (d) Draw a neat and labelled sample prescription.
- (e) Calculate the dose for an infant who is 5 months old if the adult dose is 220 mg.
- (f) Write Young's and Dilling's formula for dose calculation.
- (g) Classify incompatibilities with example.
- (h) Classify powders and define any one.
- (i) What is the Indian national formulary?
- (j) Explain hypertonic and hypotonic solution.

**2** Answer any two out of the following :  **$2 \times 10 = 20$**

- (a) Explain the parts of a prescription and its handling in detail.
- (b) Write a detailed note on the scope and history of pharmacy.
- (c) Write the definition, advantages, disadvantages and formulation of suspensions and emulsions..

**3** Answer any 6 out of the following :  **$6 \times 5 = 30$**

- (a) Explain gargles and mouthwashes in detail.
- (b) Define and classify suppositories, give its advantages and disadvantages.
- (c) Explain in detail insufflations with suitable example.
- (d) Explain any one pharmacopoeia in detail.
- (e) Classify dosage forms with examples and define at least four dosage forms.
- (f) Write a short note on galenicals.
- (g) Define Posology and explain in detail the factors affecting dose calculation.
- (h) Explain syrups in detail with suitable example.