Roll No.

Total No. of Pages: 02

Total No. of Questions: 06

M.Pharmacy (Pharmaceutics) (2017 & Onwards) (Sem.-1) MODERN PHARMACEUTICS

Subject Code : MPH-103T M.Code : 74659

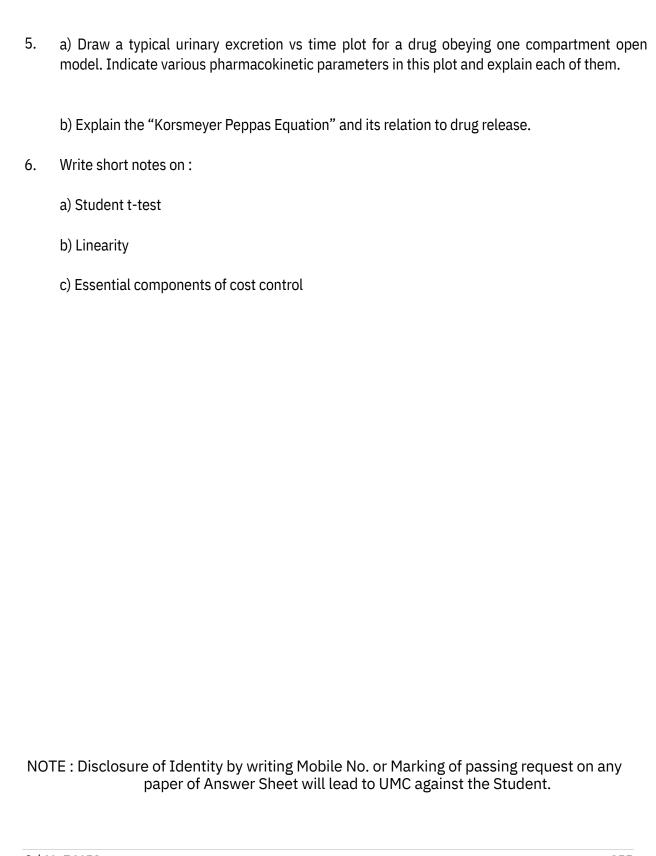
Time: 3 Hrs. Max. Marks: 75

INSTRUCTIONS TO CANDIDATES:

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- 1. Attempt any FIVE questions out of SIX questions.
- 2. Each question carries FIFTEEN marks.
- 1. a) Discuss the formulation factors to be considered while formulating small volume injectables.
 - b) What is Contour Design and its application? Give an account of the steps involved in applying this design for formulation optimization.
- 2. a) Differentiate between prospective and retrospective validation and highlight the situations in which they are applied.
 - b) Critically comment on the pre formulation studies conducted for pharmaceutical suspensions.
- 3. a) Highlight the cGMP norms for inventory maintenance of raw materials, containers, closures, labels and finished goods in pharmaceutical plant.
 - b) How is TQM applied to pharmaceutical industry?
- 4. a) What is diffusion? Enlist the parameters of diffusion and mention their importance in dosage form development.
 - b) Explain the distribution of forces during compaction of solids.

1 | M- 74659



2 | M-74659 255