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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 :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. (a) What is cGMP? Discuss briefly its significance.

(b) Discuss in detail the effect of friction and distribution of forces during tablet compression.

(c) Detail the WHO guidelines for calibration and validation of equipments.
2. (a) Differentiate between suspensions and emulsions. Discuss the stability problems of Suspensions

(b) Write a note on :
 - i. IQ and OQ
 - ii. SMEDDS
 - iii. ANOVA
3. (a) Discuss in detail the validation and calibration of master plan.

(b) Discuss the various Dissolution and Diffusion parameters.
4. (a) Discuss importance and types of contour plots.

(b) Discuss the various parameters to be studied for validation of specific dosage form.

(c) Why do we need to conduct stability testing?

5. Write short notes (**any three**) :
- (a) Response surface methods.
 - (b) IQ, OQ and PQ.
 - (c) Large volume parental.
 - (d) Sales forecasting in production management.
 - (e) Chi square test.
6. (a) What is validation protocol? Describe contents of validation protocol.
- (b) Describe the formulation considerations of small volume parentals.
- (c) Discuss in detail material management and handling in Pharma Industry.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.