

(2)

- Q.6 Discuss Industrial Management? Explain layout of buildings, services, equipments and their maintenance Production management?
- Q.7 Define optimization. Explain elaborately about factorial designs and its application in pharmaceutical formulation.
- Q.8 Write short notes (Any Two)
- (a) ANOVA test
  - (b) Chi square test
  - (c) Linearity Concept of significance
  - (d) Standard deviation study of consolidation parameters

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[Total No. of Questions: 8 ]

[Total No. of Printed Pages : 2]

Enroll No.....

**MPH-103T**

**M. Pharm. (P'Ceutics)–I Semester (Reg./Ex)**

**Examination, March-2021**

**Modern Pharmaceutics**

***Time: Three Hours***

**Maximum Marks:75**

Note: Attempt any five questions. (Each question carries equal marks)

- Q.1 Discuss the energy and force involvement in compression of tablets. Write a note on effect of particle size and moisture content on the tablet compression.
- Q.2 Give an account on plant requirement, manufacturing and evaluation of large volume parentals.
- Q.3 Explain Theories of dispersion and pharmaceutical Dispersion Emulsion, Suspension and SMEDDS?
- Q.4 Write about Optimization techniques in pharmaceutical formulation and processing?
- Q.5 Define pharmaceutical validation and write its scope and merits. Discuss the general guidelines for the validation and calibration of pharma equipments?