

P. Pages : 1

Time : Three Hours



GUG/W/24/14168

Max. Marks : 75

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- Notes : 1. All questions are compulsory.
2. Illustrate your answers wherever necessary with the help of neat sketches.

- 1. Solve any ten. 2x10 =20**
- i) What do you mean by preformulation.
 - ii) Suspension.
 - iii) SMEDDS stands for.
 - iv) Enlist optimization technique.
 - v) Validation means what.
 - vi) Objective of C Good manufacturing practices.
 - vii) Sale forecasting.
 - viii) Budget
 - ix) Tablet compressions.
 - x) ANOVA stands for.
 - xi) Define chi square.
 - xii) What do you mean by solubility.
- 2. Solve any two. 2x10 =20**
- i) Discuss in details about preparation and stability of emulsion.
 - ii) Explain elaborately about factorial designs and its application in pharmaceutical formulation.
 - iii) Define stability. Explain about stability testing.
- 3. Solve any five. 5x7 =35**
- i) Evaluation of large volume parenteral.
 - ii) Pharmacokinetic Parameters.
 - iii) Total quality management.
 - iv) Types of validation.
 - v) Optimization techniques in pharmaceutical processing.
 - vi) Response surface method.
 - vii) Note on ANOVA Test.
