

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[MPHARM 0921]**

**SEPTEMBER 2021  
(OCTOBER 2020 EXAM SESSION)**

**Sub. Code: 2933**

**M.PHARMACY DEGREE EXAMINATION  
SEMESTER-I (PCI New regulations 2016)  
PHARMACEUTICS - MPH  
PAPER III – MODERN PHARMACEUTICS  
*Q.P. Code : 262933***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Write pharmaceutical validation, scope and its merits. Discuss the general guidelines for the validation and calibration of pharmaceutical equipments.
2. Discuss in detail the different methods to assess drug – excipient interaction.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Application of Heckel plot.
2. Discuss the objective and policies of cGMP.
3. Factorial designs.
4. Discuss about dissolution parameters.
5. Evaluation of large volume parenterals.
6. Give the planning to prepare budget and its control.
7. Physics of tablet compression.

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