

Roll No. ....

**Y – 3243**

**M.Sc. (Pharmaceutical Chemistry) (Second Semester)**

**EXAMINATION, June 2021**

Paper – 203

**NEW TRENDS IN INSTRUMENTATION**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note**—Attempt *all* questions.

**Unit-I**

1. Write short note on test of significance. 17

**Unit-II**

2. Give a brief overview of quantitative analysis of drugs. Explain validation of analytical procedures. 17

**Unit-III**

3. Discuss principle of chi square. Describe its method of analysis and its significance. 17

**Unit-IV**

4. Describe principle, instrumentation and application of TEM. 17

**Unit-V**

5. Describe basic concepts and application of UV and X-ray photo-electron spectroscopy. 17