

Roll No. ....

**Y – 3135**

**M.Sc. (Chemistry) Fourth Semester EXAMINATION,**

**May/June-2021**

Paper – MCH-505

**SOLID STATE CHEMISTRY**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note**—Attempt *all* questions.

**Unit-I**

1. Discuss general principle of solid state reaction and give experimental procedure. 17

**Unit-II**

2. Discuss the imperfection in crystal due to vacancies. 17

**Unit-III**

3. Discuss Band Theory for metals semiconductors and Insulator. 17

**Unit-IV**

4. Discuss the following organic solids with reference to their electrical conduction 17

**Unit-V**

5. Give classification and structural detail of various types of liquid crystals. 17

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