M.Sc. DEGREE EXAMINATION,ODD SEMESTER 2020
II Year and III Semester
CRYSTAL PHYSICS

Max.marks :25

Answer any **FIVE** questions $(5 \times 5 = 25)$ Marks

1. What is nucleation? Explain the homogeneous and heterogeneous nucleation.

2. Deduce the Gibbs Thomson equation for nucleation from vapor.

3. Explain the construction detail in slow evaporation growth process.

4. Describe the growth process of Bridgman technique with suitable diagram.

5. Explain the principle and importance of FTIR spectroscopy.

6. Write a note on significance of WinGX program.

7. Explain the importance of five membered and six membered rings in conformation.