

M.Sc. DEGREE EXAMINATION, ODD SEMESTER 2020
II Year and III Semester
Nano Science and Technology

Max.marks :25

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

1. Write a note on applications of polymers and ceramics.
2. Explain the principle and working of nano MOSFET.
3. Write a note on sol gel synthesis in bottom up approach method.
4. Explain the structure and determination of grain size using X-ray line broadening.
5. Explain the principle of Immuno fluorescent biomarker.
6. Explain the electronic structure of nanocrystals.
7. Explain the process of self-assembled monolayers.