

MSC CHEMISTRY SEMESTER-IV

Course: Elective-III (Physical Chemistry [Chemistry of Materials])

Semester- 4th

Note- Attempt All Question

1. Explain the Ceramic structure and its mechanical properties?
2. Explain reinforced fibre composites?
3. What are polymeric materials? Explain its molecular shape.
4. What do you mean by Reformatories? Explain its properties and application?
5. Explain the Microwave absorption pairing and multi-gap structure in high T_c materials?
6. What is Blodgett Films? Explain its preparation techniques and chemical processes?
7. Explain the high T_c superconductivity in cuprates and its mechanism?
8. What are Electric polymers? Explain its types and thermal behavior?
9. What is Nanocrystline phase? Explain preparation procedures, properties and application of Nanomaterials?
10. Explain the low of dimensional quantum structure and its optical properties?