

Course Code: 4MSCP2
Course: Material Science
Credit: 3
Last Submission Date: October 31 (for January Session)
April 30, (for July session)

Max. Marks:-30

Min. Marks:-11

Note:-attempt all questions.

- Que.1 Define composite material explain their types and properties.
- Que.2 What do you mean by bonding ? explain different types of bonding with examples.
- Que.3 What is phase trans formulation? Explain I and II order transformation.
- Que.4 Define phase diagram distinguish between cutctic and paratactic phase diagrams.
- Que.5 Define diffusion explain rote theory of diffusion.
- Que.6 Explain the relationship between diffusivity and mobility
- Que.7 What is semiconductor? Explain enteinsic and intrinsic semiconductor.
- Que.8 Explain mathiessio's rule for resistivity.