**ASSIGNMENT – UNIT II**

**(POLYMERS & ORGANOMETALLIC COMPOUNDS)**

1. What do you understand by: Functionality, Degree of polymerisation
2. Differentiate between: Addition and Condensation Polymers with examples
3. Differentiate between: Blended and Composite polymers with examples
4. Explain in brief Biodegradable polymers with examples
5. Discuss Conducting Polymers in detail
6. Define Tacticity and its various types
7. Give Preparation, Properties and Applications / Uses of the following polymers

i. Buna – N, ii. Buna – S iii. Neoprene iv. Nylon – 6 v. Nylon – 6,6 vi. Terelyne

1. Explain Co-ordination polymerization and its importance.
2. What are Organo-metallic compounds. Give the applications of Organo-Magnesium halides with special mention in reference to Polymerisation.