**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.
3. Give the structure of :
   1. Ferrocene
   2. Zeise’s salt