

SEM-2213

M. Sc. (Fourth Semester) Examination, June 2021

CHEMISTRY

Paper : Eighth (Optional-II)

(MCH-509)

(Organo Transition Metal Chemistry)

Time Allowed : Three hours

Maximum Marks : 80

Note : Attempt all questions. Each question carries equal marks.

1. What is low valent carbenes? Explain the Fischer versus Schrock carbenes.
2. Write detailed note on Trienyl Complexes.
3. Explain transition metal compound with bonds to silicon.
4. Explain how are Olefins polymerised by Ziegler-Natta Polymerisation Method.
5. Discuss in detail about fluxionality in η^3 -allyl complexes.