

Katras College Katrasgarh (BBMKU)

Internal Examination (Semester III)

Answer all questions in all papers including practical

Chemistry (Core V) 2019-22

1. (a) Write types of acid-base reaction.
(b) Explain the shape of XeF_6 by VBT.
2. Write notes on following
(a) Inert Pair Effect (b) Diborane

Chemistry (Core VI) 2019-22

1. Write mechanism of following
(a) Claisen Rearrangement (b) Benzoin Condensation
2. How can you prepare 1° , 2° and 3° alcohol using Grignard reagent.

Chemistry (Core VII) 2019-22

1. Derive rate expression of second order reaction when concentration of reactant is same.
2. Derive time required for half life of following
(a) Zero order reaction (b) First order reaction

Chemistry Core (Practical) 2019-22

1. What do you mean by acid hydrolysis?
2. Write notes short notes on potash alum.