

Govt. Degree College, Basohli

Chemistry Home Assignment Test for Semester VI (Session 2019-20)

Note: All questions are compulsory. The answer should be in detail covering diagrams/ figures/ etc. if required and based on more than one source for high scoring. A medium sized notebook (separate for each subject) shall be used for writing the assignment test for both theory and practical; all the assignments along with **practical notebooks in case of Science Subjects** shall be **submitted together in the college on the day of your 1st examination commencing from 15/09/2020.**

(Students shall strictly follow the COVID-19 guidelines issued by the Govt. during their visit to the college such as maintaining social distancing and wearing the face mask)

(Theory Assignment; MM: 20)

Section A: Long Answer Questions (10 marks each)

Q1. a) Discuss Pb acid, Li battery and solid state electrolyte battery.

b) Discuss in detail keto enol tautomerism and claisen ester synthesis.

Q2. a) Discuss the various electronic transitions which occur in UV region. Explain clearly the effect of solvent on $n-\pi^*$ and $\pi-\pi^*$ transitions.

b) Explain chromophore and auxochrome.

(Practical Assignment; MM: 05)

Q1. To prepare 4-Nitroacetanilide from acetanilide.