

GOVERNMENT GENERAL DEGREE COLLEGE, CHAPRA

U.G. INTERNAL ASSESSMENT (2021-22)

SEMESTER-II

SUBJECT- CHEMISTRY (CHEMGT-2)

FULL MARKS – 15

Answer any five questions from the following. (5x3=15)

1. Why dipole moment of CO_2 , BF_3 , CCl_4 is zero? (3)
2. CO_2 is linear whereas SO_2 is bend-shaped. Give a reason. (3)
3. NH_3 has higher boiling point than PH_3 . Give reason? (3)
4. Compare basicity among hydrides of group 15 elements with reason. (3)
5. Define Collision number and mean free path. (3)
6. Write difference between order and molecularity? (3)
7. Define lattice energy and solvation energy? (3)
8. Ethylene is a planar molecule whereas acetylene is a linear molecule. Give a reason? (3)