

# Assignment Topics (2019-2020)

## Class – XII B

### PHYSICS

1. To study the behaviour of charge at rest as well as in motion. Describe its application in the field of industry and research.  
(For Roll Nos. – 1 – 17 XII B)
2. To study the behaviour of light and hence describe its application in the field of astronomical research.  
(For Roll Nos. – 18 – 35 XII B)
3. To study types of semiconductors. Hence describe semiconductor devices with their application in the development of science and technology.  
(For Roll Nos. – 36 – 52 XII B)

**Date of Submission : 17-06-2019**

### CHEMISTRY

1. Discuss adsorption and its type. Mention at least two methods for the purification of colloidal solution.  
(For Roll Nos. – 1 – 9 XII B)
2. Define biomolecules by giving examples. Discuss open chain, configurational and cyclic structure of glucose. Comment on the importance of different fat soluble and water soluble vitamins.  
(For Roll Nos. – 10 – 18 XII B)
3. What are allotropes? Comment on allotropes & oxoacids of phosphorus and sulphur.  
(For Roll Nos. – 19 – 27 XII B)
4. Comment on Tetrahedral and Octahedral complexes on the basis of Valence Bond Theory. Discuss the importance of co-ordination compounds.  
(For Roll Nos. – 28 – 36 XII B)
5. Distinguish between Haloalkanes & Haloarenes? Discuss electrophillic substitution and nucleophillic substitution reactions given by haloalkanes and haloarenes.  
(For Roll Nos. – 37 – 45 XII B)