

Assignment Topics (2020-2021)

Class – XII B

PHYSICS

1. To study the behavior of charge in its static as well as dynamic state and hence its application in the field of current electricity.
(For Roll Nos. – 1 – 15 XII B)
2. To study the behavior of magnet and hence discuss its importance in the production of electricity by using turbine and generators.
(For Roll Nos. – 16 – 30 XII B)
3. To study the behavior of light during reflection and refraction and hence discuss its application in the field of optical instruments.
(For Roll Nos. – 31 – 45 XII B)
4. To study the behavior of semiconductors and hence discuss its application in the field of electronics and telecommunication.
(For Roll Nos. – 46 – 60 XII B)

CHEMISTRY

1. Discuss adsorption and its type. Mention at least two methods for the purification of colloidal solution.
(For Roll Nos. – 1 – 10 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. – 11 – 20 XII B)
3. Describe some important characteristics of p-block elements of Group 13 and Group 14.
(For Roll Nos. – 21 – 30 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. – 31 – 40 XII B)
5. Explain the main features and all the steps involved in the mechanism of S_N^1 and S_N^2 reactions.
(For Roll Nos. – 41 – 50 XII B)
6. What are polymers. Mention different types of polymer. Discuss the preparation and structure of polyvinyl chloride, Buna-S, Buna-N, Dacron, Nylon 6, 6 and Bakelite.
(For Roll Nos. – 51 - 58 XII B)

BIOLOGY

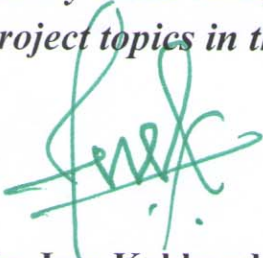
Students can select anyone project from the following topics:

1. To study drug resistance in bacteria using antibiotics.

2. Detailed study on infertility in human males and females, its causes and treatment.
3. Effect of global warming.
4. Significance of Pedigree analysis.
5. Role of microbes in human welfare.
6. Study on gene therapy.
7. Sexually transmitted diseases in humans and its treatment.
8. Study of diseases caused by virus, mode of infection ,symptoms ,prevention and treatment.

Note: Illustrate your projects with suitable pictures and Newspaper / magazine clippings, Bibliography, Introduction, Acknowledgement and Conclusion should be given for each project

Kindly make ready the framework of project. Students need to complete the project topics in the files which will be provided after the lockdown.



Fr. Jose Kokkandathil
Principal