

Girls' High School & College

Class XII (A&B)

Chemistry Project 2020-21

Dear Parents,

Please note that your ward has to make chemistry project on any one of the following topics:

Students should follow the given instructions:

1. The project should be of 35-40 pages.
2. Study the subject matter thoroughly before making the project.
3. Inter-leaf pages to be used.
4. The order to be followed is:
  - a. Name of the topic on first page
  - b. Acknowledgment
  - c. Index
  - d. Introduction/Purpose (1½ page)
  - e. Presentation of the topic
  - f. Conclusion (1½ page)
  - g. Bibliography (Should include the names of relevant books with author, relevant websites)
  - h. Analysis of material aid (Graph, data, histogram, pie diagram, structure)

Name of the project topics:

1. Amino Acids: Peptides, structure and classification. Proteins: Structure and their role in growth of living beings.
2. Nucleic Acid: DNA and RNA- their structure. Unique Nature. Importance in evolution and their characteristic features.
3. Carbohydrates and their metabolism. Blood, hemoglobin and respiration.
4. Vitamins and hormones
5. Simple idea of chemical evolution
6. Natural Polymers (Any 5)- Structure, characteristics, uses. Synthetic Polymers (Any 5)- Method of Preparation, characteristics, structure and uses.
7. Types of Dyes- Methods of Preparation, characteristics and uses.
8. Chemicals in Medicine: Antiseptics, antibiotics, antacids etc. and their uses.
9. Chemicals and chemical processes in forensic studies.
10. Insecticides, pesticides and chemical fertilizers.
11. Ancient Indian Medicines and Medicinal Plants.
12. Organic Chemistry in Nutrition, Food Science and Biotechnology.
13. Effect of greenhouse gases.
14. How plastics have changed the world both socially and economically.

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