

SAINIK SCHOOL CHANDRAPUR

(MINISTRY OF DEFENCE)

HOLIDAY HOMEWORK

Class: XI

Subject: Chemistry

I. All exercise questions of following units.

Unit 2: Structure of atom.

Unit 3: Periodicity in properties and classification of elements.

Unit 4: Chemical bonding and molecular structure.

II. PROJECT WORKS:

Practical project works to be submitted in a file (12-15 pages).

S.No	Roll numbers	Project topic
1	280,283,292,297 307,313,318,323 325	Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).
2	328,332,335,337 339,341,343,344 350	Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it.
3	352,442,451,294 298,301,304,310 315	Study the acidity of different samples of tea leaves.
4	320,321,326,327 329,330,331,333 336	Determination of the rate of evaporation of different liquids
5	345,346,349,351 450,452,453,456	Study the effect of acids and bases on the tensile strength of fibers.

III. NDA/NA QUESTIONS:

Composition, properties and uses of the following substances:

- Fertilizers—Natural and Artificial.
- Ink and paper.
- Drugs.
- Paint
- Glass
- Cement
- Safety matches.
- Gun powder.