

# SAINIK SCHOOL CHANDRAPUR

## (MINISTRY OF DEFENCE)

### HOLIDAY HOMEWORK

Class: XII

Subject: Chemistry

**I. All intext questions of following units.**

Unit 1: Solutions (12 Questions)

Unit 2: Electrochemistry (15 Questions)

Unit 4: d- and f- Block Elements (10 Questions)

Unit 5: Coordination Compounds (10 Questions)

Unit 6: Haloalkanes and Haloarenes (09 Questions)

**II. PROJECT WORKS:**

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

Ser	Roll numbers	Project topic
1	93,235,105,116 156,162	Study of the presence of oxalate ions in guava fruit at different stages of ripening.
2	188,191,222,232 266,270,271	Study of quantity of casein present in different samples of milk.
3	96,157,259,95 152,158	Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature.
4	165,187,193,20523 3,241,255	Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time)
5	110,113,167,558 101,111	Study of digestion of starch by salivary amylase and effect of pH and temperature on it.
6	122,163,207,220 238,258,260	Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
7	108,114,120,194 94,104	Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi (cardamom).
8	109,151,186,208 209,239,257	Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper.

**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.