**VACATION ASSIGNMENT**

Date: 2082-03-24

Subject: Science and Technology

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**Class: Seven**

1. Redo question of science of “First Term Exam-2082”.
2. Draw atomic structure of element from *Hydrogen* to *Calcium.* And write down name of the element, its symbol. total number of protons, neutrons, electrons, atomic number (Z) & atomic mass (A).

**Class: Eight**

1. Redo question of science of “First Term Exam-2082”.
2. Write down the molecular formula of following compounds and also calculate their molecular weight.

*(water, sodium chloride, calcium carbonate, magnesium carbonate, ammonia, sodium nitrate, carbon dioxide, methane, hydrogen peroxide, magnesium chloride, sodium carbonate, ammonium chloride, sodium bicarbonate, magnesium bicarbonate, phosphorus pentaoxide, hydrogen sulphate and calcium sulphate.)*

1. Write down the electronic configuration of all elements from *Hydrogen* to *Calcium* (based on shell/orbit) and write down their valency, group, period and symbol of each of them.

**Class: Nine**

1. Redo question of science of “First Term Exam-2082”.
2. Draw the chart showing “life cycle of stars”. *(Hint: Use chart paper and research on google regarding stars’ life cycle.)*

**Class: Ten**

1. Redo question of science of “First Term Exam-2082”.
2. Complete all notes of science.
3. Complete 25 numericals from science practice book (lesson included: force and pressure)
4. Write down the electronic configuration of all elements from *Hydrogen* to *Calcium* (based on sub-shell/orbitals) and write down their valency, group, period, block and symbol of each of them.

**-The End-**

**“Enjoy your vacation. Happy Vacation.”**