



RAINBOW ACADEMY SENIOR SECONDARY SCHOOL SUMMER VACATION ASSIGNMENTS

CLASS: XI

SESSION 2023-24

SUBJECT	ENGLISH
1.	Make posters on the following topics and compile them in form of file. 1-G-20 2-G-7 3-Green energy conservation 4- The Kerala story 5-Demonetisation 6-Ukraine and Russia war 7-Save Energy 8-International yoga day 9-World Environment Day 10-World Day Against day
SUBJECT	PHYSICS
1. 2. 3.	Solve all the given examples in NCERT chapter 2 and 3. Make investigatory project on your given topic. Make working models on- 1-Circular VS Rotational motion 2- Hooke's law working model 3-Buoyancy 4-Archimedes Principle 5-Hydraulic lift, Hydraulic Break 6- Manometer 7-Barometer 8-Conduction 9- Radiation 10- Heat Engine 11-Refrigerator 12-Projectile motion
SUBJECT	CHEMISTRY
1. 2. 3.	Prepare a project file on any topic. Solve all the given examples and intext questions chapter 1 and 2. Make model on- 1-Atomic structure 2-Bohr atomic working model 3-Rutherford atomic model 4-Transition of the electron in the hydrogen atom 5-Shape of orbitals (s,p and d) 6-Order of filling of orbitals 7-Periodic table (3D) 8-Geometry of molecules($AB_2, AB_3, AB_4...$)
SUBJECT	MATHEMATICS
1. 2.	Practice all the work done in your maths notebook. Prepare a notebook on all the formulas along with properties of all chapters.

SUBJECT	BIOLOGY
1.	Make a file on any topic from NCERT Book.
2.	Make notes of chapter -4 and do the questions given in the exercise .
3.	Make models on- 1-Bacteria on different shapes. 2-A model on basis of classification (Animal kingdom) 3-A model on types of placentation. 4-A model on monocot and dicot root. 5-A model on steps of glycolysis. 6-A working model on urinary system. 7- A working model on longitudinal section of kidney. 8-Working model of arm and muscles. 9- Working model on Eye. 10- Model on nephron showing counter current mechanisms. 11- Model on C4 Pathway.
SUBJECT	PHYSICAL EDUCATION
1.	Learn, revise and complete chapter -1 (Changing trends and career in physical education) and chapter -2 (Olympic value education/Olympism).
SUBJECT	COMPUTER SCIENCE
1.	Prepare synopsis for your class XI project.

N.B.: Neatness and Accuracy should be maintained in the Assignments. The quality of the Assignment is more important than the volume of the Assignment.

Date of submission: 1st week of July, 2023

Class Teacher : Suman Upreti

Contact Number : 7055146109