RAINBOW ACADEMY SENIOR SECONDARY SCHOOL
SUMMER VACATION ASSIGNMENTS
CLASS: XII
SESSION 2023-24

SUBJECT	ENGLISH
1.	Write Notices, letters and do unseen paragraphs given in pdf.
SUBJECT	**PHYSICS**
1.	Solve all the given examples in NCERT chapter 1,2 and 3.
2.	Make investigatory project on your given topic.
3.	Make working models on-
	1-Electric motor
	2-Electric Induction
	3-Electric door bell
	4-The solenoid
	5-AC Generator
	6-Viscosity of fluids
	7-Galvanometer
	8-Water level Indicator
	9-Touch sensor working model
	10-Ray box model
	11-Refractionbof light at spherical surfaces and by lenses
	12-Telescope
SUBJECT	**CHEMISTRY**
1.	Prepare a project file on any topic.
2.	Solve all the given examples and intext questions chapter 1 and 2.
3.	Make models on-
	1-Electrochemical cell
	2-Osmosis
	3-Shape of different coordination polyhedra (ML_4, ML_5, ML_6)
	4-Geometrical Isomers (cis and trans) of $[Pt(NH_3)_2Cl_2]$.
	5-Optical Isomers (d and l) of $[Co(en)_3]^{+3}$
	6-d orbital splitting in an octahedral and tetrahedral crystal field.
	7- Synergic bonding interaction in a carbonyl complex.
SUBJECT	**BIOLOGY**
1.	Make a file on any topic from NCERT Book.
2.	Make notes of chapter -4 along with the questions given in the exercise.
3.	Make models on –
	1-Models an mammary gland.
	2-DNA replication model.
	3- Structure of antibody molecule.
	4-Model on double standard polynucleotide chain.
	5- Model on structure of a transcription unit.
	6-Model on process of transcription in bacteria.
	7- Model on translation.
	8- Model on lac operon.
	9- Model on polymerase chain reaction.

SUBJECT	MATHEMATICS
1.	Practice NCERT exercise with examples of chapter -3,4 and chapter 5.
2.	Prepare a notebook on all the formulas along with properties of all chapters.
SUBJECT	**PHYSICAL EDUCATION**
1.	Learn and revise how to make fixtures from chapter-1 (Management of sporting events) . Knockout method . Cyclic method . Staircase method
2.	Complete your chapter -1(Management of sporting events) , chapter -2(Children and women is sports) and chapter -3(Yoga As preventive measure for Lifestyle disease).
SUBJECT	**COMPUTER SCIENCE**
1.	Prepare front end of your project, also prepare structure of database for your 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.

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