



DAV PUBLIC SCHOOL, BAZPUR
WINTER HOLIDAYS ASSIGNMENT 2021-22
CLASS- XI SCIENCE

ENGLISH :

1. **PROJECT:** Prepare a file on the basis of a survey conducted on the hardships faced and indomitable spirit of Front Line Workers or people during Second Wave of Corona Pandemic .
2. **Critical analysis and highlighting the issues raised or talked about of the following chapters:**
 - i. Silk Road
 - ii. Albert Einstein at School
 - iii. Mother's Day

CHEMISTRY :

Chapter-8 Redox Reaction- Balancing the equation By

1-Oxidation Number Method

2-Half Cell Reaction Method With Suitable Examples.

Chapter-13-Hydrocarbon -: 1-IUPAC Nomenclature of Hydrocarbons.

2- Preparation of Alkane ,Alkene and Alkynes.

Chapter-12 - Classification of Organic Compound with suitable Examples.

PHYSICS :Chapter 9 -All derivation related to elasticity

Chapter 10-Pascal law, hydraulic brakes and lift working

Equation of continuity, Bernoulli's theorem, terminal velocity, Stokes law, laminar flow stream line flow

Chapter 14-Periodic functions, Simple harmonic motion, total energy of a body executing S. H. M

MATHEMATICS : Chapter-3 ex - 3.1 Q 3,5 ex- 3.3 Q 3,7,10,13,18 ex-3.4 Q 5,8

Chapter-6 ex-6.1 Q 3,7,8,12,16,20 ex-6.2 Q 2,5,8

Chapter-7 ex 7.1 Q 2,5 ex - 7.3 Q 3,6,10 ex- 7.4 Q 4,6

BIOLOGY:1:-Note- you have to make separate notebook for winter vacation holiday homework.

BWrite four question and answer daily chapter wise (10,13,14,15,17,18,19,20,21,22) and learn by heart.(4x15=60)

2:-Learn by heart and write-

Topics-

A:- write mitosis and meiosis and their significance.

B:- cyclic or non-cyclic Photophosphorylation

C:-Glycolysis, TCA cycle, Calvin cycle

D:-Cardiac cycle, heart disorders, Respiratory volume, respiratory disorders

3:- Make an investigatory project from term II from any topic in your NCERT Biology book.

INSTRUCTIONS :-(a)-Write the project report on A4 size plain paper in your own hand writing.

(b)-Draw concerned colorful pictures.

(c)-The project should contain certificate, acknowledgement, index concerned information and bibliography.

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PHE : 1. Physical Education & Sports for CWSN (children with special needs)

2. Yoga .

3. Physical Activity and Leadership Training.

I . Leadership qualities and role of a Leader.

ii. Meaning, Objective and type of Adventure sports.

iii. Safety Measures to prevent sports injury

IP :

1. Exercise of List

2. Exercise of Dictionary

3. WAP to find an element in list

4. WAP to count the occurrence of an element in list

5. Exercise of SQL