Physics
Perform a study work on
-Electromagnetic waves
-Photoelectric Effect

Chemistry
Solve the following questions in your classwork copy
1. Write differences between electrochemical cell and electrolytic cell.
2. What are batteries? Explain different types of batteries?
3. Compare physisorption and chemisorption?
4. Write some applications of adsorption?
5. Draw the graph for effect of catalyst on activation energy

Biology
1. What is the average cell cycle span for a mammalian cell?
2. Distinguish cytokinesis from karyokinesis.
3. Describe the events taking place during interphase.
4. What is Go (quiescent phase) of cell cycle?

KENDRIYA VIDYALAYA RRL JORHAT
WINTER BREAK HOMEWORK

CLASS- XII   SUB – MATHS

1. if $\tan x = \dfrac{-4}{3}$ and x lies in II Quadrant, then $\sin^x$ is

2. The value of $\sin 600°.\tan(-690°) + \sec 840°.\cot(-945°)$ is

3. . Simplify: $\dfrac{\sin(180°+\theta)\ \cos(360°-\theta)\ \tan(270°-\theta)}{\sec(90°+\theta)\ \tan(-\theta)\ \sin(270°+\theta)}$.

4. Prove $= \dfrac{\tan\left(\frac{\pi}{2}-x\right)\sec(\pi-x)\sin(-x)}{\sin(\pi+x)\cot(2\pi-x)\cosec\left(\frac{\pi}{2}-x\right)}$ 1

5. Prove that $\dfrac{(\cos 2B - \cos 2A)}{(\sin 2B + \sin 2A)} = \tan(A - B)$

KENDRIYA VIDYALAYA RRL JORHAT
WINTER BREAK HOMEWORK
CLASS- XII   SUB – ENGLISH

1. Minimum Two ENGLISH sample papers to be solved.

KENDRIYA VIDYALAYA RRL JORHAT
WINTER BREAK HOMEWORK
CLASS- XII   SUB – COMPUTER SCI.

1. **Prepare CS Project as per the instructions & format given in study group.**

2. **Solve Class – XII Computer Sci. Sample Question Papers shared in study group in Homework copy.**

KENDRIYA VIDYALAYA RRL JORHAT
WINTER BREAK HOMEWORK
CLASS- XII   SUB – HINDI

प्रश्न-1 पुस्तकालय का महत्व विषय पर एक निबंध लिखिए

प्रश्न -2 अपने मन पसंद किसी एक अप्रत्याशित विषय पर रचनात्मक लेखन कीजिए