



C.P.C SR. SEC. SCHOOL

HOLIDAY HOME WORK (SESSION 2025-26)

CLASS –XII B

We are sure that all of you must have made plans to enjoy your holidays like visiting your grandparents, relatives, friends, watching television for some time during the day or taking a dip in the swimming pool.

We wish that you enjoy every minute of this long break. It will be great if you are able to find time to visit places, read story books, help your parents and grandparents, go for morning walks and play in the evening during your long summer break.

Wishing all of you a very enjoyable and fun packed summer break.

English	<ol style="list-style-type: none">1. Prepare a report on the following topics:- bomb blast, ban plastic, circus show.2. Prepare any 2 Poems with detailed explanations & word meaning.3. Job application:- applying for a post of teacher in school. <p>Flamingo:– Prepare a summary of any chapter and compare the character with your life.</p> <p>Vistas:– Explain your favorite lesson in 120 words with proper reason to like this lesson.</p>
Physics	<ol style="list-style-type: none">1. Learn and write coulomb's law for electrostatic force.2. Learn and write electric field derivation for dipole (For axial line & equatorial line).3. Learn and write gauss theorem & its applications.4. Solve five- five numerical from each lesson (1,2,3)5. Learn and write all the formulas of each lesson.6. Learn and write Kirchhoff's Laws and Wheat stone bridge.
Chemistry	<ol style="list-style-type: none">1. Learn acidic basic radicals.2. Make a project file covering any one of the following topic:-<ol style="list-style-type: none">(i) Saturated solution(ii) Measuring solubility(iii) Change in EMF of Daniel cell(iv) Aldehyde(v) Carboxylic acid(vi) Alcoholic and phenols(vii) Biomolecules(viii) Electro chemistry

Biology	<p>1. Make a project file on any one of the given topics :-</p> <p>(a) AIDS</p> <p>(b) Environmental pollution, its sources, effects and control.</p> <p>(c) Bio Technology</p> <p>2. Make a model or chart on any one of the given topics-</p> <p>(a) Pedigree analysis (b) BIOGAS PLANT</p> <p>(c)BIODIVERSITY</p>
Math	<p>Following work has to be done in HHW copy.</p> <p>1. Do miscellaneous exercises of chapter- 01,02,03 (any five)</p> <p>2. Do all examples of chapter -01, 02, 03.</p> <p>3. Learn and write the formula of inverse Trigonometry and types of matrices.</p> <p>4. Solve the given assignment</p> <p>Q.1 Define Relation and function with appropriate examples.</p> <p>Q.2 Find the Principal Branch of tan 'x and explain your answer briefly.</p> <p>Q.3 Investigate the Graphical Method for bijection.</p> <p>Q.4 Write function in the Simplest form:-</p> <p>a.) $\tan^{-1} \sqrt{\frac{1-\cos x}{1+\cos x}}, 0 < x < \pi$</p> <p>b) $\cot^{-1} \left(\frac{\sqrt{1+\sin x} + \sqrt{1-\sin x}}{\sqrt{1+\sin x} - \sqrt{1-\sin x}} \right) = \frac{x}{2}, x \in \left(0, \frac{\pi}{4}\right)$</p> <p>Q.5 Investigate the existence of limits and provide some suitable examples to demonstrate the limits.</p> <p>Q.6 If $f: \mathbb{R} \rightarrow \mathbb{R}$ such that $f(n)=n^2-2n$ then check whether the given function defined on the set of real numbers \mathbb{R} is bijective or not. Justify your answer.</p> <p>Q.7 Consider a matrix by yourself of order 2×2 with diagonal elements are 0 then find</p> <p>a. AA^T</p> <p>b. A^{-1}</p> <p>c. $A+A^{-1}$</p> <p>Did you find any surprisingly answers?</p> <p>Discuss briefly.</p>
Phy. Education	<p>1. What is yoga ? Explain its importance in daily life.</p> <p>2. All students must practice Tadasana, Halasana, Bhujangasana, chakrasana, Gomukhasana, Dhamurasana. Write the procedure and benefits.</p> <p>3. Draw a fixture of 21,27,23 teams on knock- out basis.</p> <p>4. Draw a fixture of 6,8,11 teams using league tournament basis.</p>

Note – Please take care of the neatness of the work and submit it on the first day of school after summer vacation.