HOLIDAY HOME WORK (SESSION 2024-25)

CLASS –XII B

English	1. Prepare a report on the following topics:- bomb blast, ban plastic, circus show. 2. Prepare debate on:- co- education v/s seprate education , should homework be given or not, online education v/s offline education. 3. Job application:- applying for a post of teacher in school. **Flamingo**:– Prepare a summary of any chapter and compare the character with your life. **Vistas:**– Explain your favorite lesson in 120 words with proper reason to like this lesson.
Physics	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) 5. Learn and write all the formulas of each lesson.
Chemistry	1. Learn acidic basic radicals. 2. Make a project file covering any one of the following topic- (i) Rate of fermentation (ii) Saturated solution (iii) Measuring solubility (iv) Charge in EMF of Daniel cell (v) Aldehyde (vi) Alcoholic and phenols (vii) Biomolecules (viii) Electro chemistry
Biology	1. Make a pictionary on any one of the given topics. Decorate it with colours- (a) Wonderful world of the birds. (b) Environmental pollution, its sources, effects and control. (c) GM crops- Its uses and misuses. 2. Make a model or chart on any one of the given topics- (a) Pedigree analysis (b) Life cycle of an angiospermic plant (c) Artificial hybridisation

Math	Following work has to be done in HHW copy. 1. Do miscellaneous exercises of chapter- 01,02,03 2. Do all examples of chapter -01,02,03. 3. Learn and write the formula of inverse Trigonometry and types of matrices. 4. Solve the given assignment Q.1 Define Relation and function with appropriate examples. Q.2 Find the Principal Branch of tan 'x and explain your answer briefly. Q.3 Investigate the Graphical Method for bijection. Q.4 Solve for x: $2\tan^{-1}(\cos x) = 2\tan^{-1}(2 \csc x)$ Q.5 Investigate the existence of limits and provide some suitable examples to demonstrate the limits. Q.6 If f:R---> R such that f(n)=n2-2n then check whether the given function defined on the set of real numbers R is bijective or not. Justify your answer. Q.7 Consider a matrix by yourself of order 2×2 with diagonal elements are 0 then find a. AA^T b. A^{-1} c. $A+A^{-1}$ Did you find any surprisingly answers? Discuss briefly.
Phy. Education	1. What is yoga ? Explain its importance in daily life. 2. All students must practice Tadasana, Halasana, Bhujangasana, chakrasana, Gomukhasana, Dhamurasana. Write the procedure and benefits. 3. Draw a fixture of 21,27,23 teams on knock- out basis. 4. Draw a fixture of 6,8,11 teams using league tournament basis.