

Shiv Jyoti Educational Group

Summer Assignment

Class – XII (S/M)

Dear Parents,

We are starting with Summer Break from 1st May'25 to 30th June'25. The school reopens on 1st July'25 with its regular school timings. It is the time to occupy the children in various scholastic and co-scholastic areas. Keeping this in mind, we have designed interesting project work/assignments to be completed during the summer vacations to encourage in depth learning & clearing concepts.

Subject	Homework
English Core	<p>(i) The poet does not directly express all her emotions; much of the feeling comes from what is left unsaid. How does the power of silence and unspoken thoughts play a role in the poem? Write about a time in your life when silence spoke louder than words, especially in a situation involving family or other relationships. (In Class work register).</p> <p>(ii) Bali High Public School has recently created CureGreen, a dedicated area for local medicinal herbs and shrubs, adjacent to the flower garden, on campus. As Rachel Tiwari, Captain of the Eco-Club, draft a notice for the school notice board, informing students of classes XI-XII, about a guided walk through CureGreen , post assembly, on Friday, 10 July. Invite care-giver applications, for CureGreen. (In Class work register).</p> <p>(iii) Despite being an essential component of road safety infrastructure, many people do not respect zebra crossings and fail to follow traffic rules, which results in hazardous situations on the roads. Write a letter to the editor of a national daily, sharing your concern, and examining the reasons for such behaviour. Provide suggestions for spreading awareness of rules and etiquettes involved, and ways to ensure adherence. Use the given cues along with your own ideas to compose this letter. You are Soma Baruah, a concerned city resident. (In Class work register).</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <ul style="list-style-type: none"> • For awareness - → general public / educational institutions → how? - in person/ social media • Dire consequences - self and others • Adherence- → fines & penalties → revoking driving licenses → strengthening traffic police force - monitoring resources and technology </div>

Hindi	निम्नलिखित विषयों पर लगभग 100 शब्दों में रचनात्मक लेख लिखिए—(In Hindi register). 1) मित्रों के साथ स्टेडियम में मैच देखने का आनंद 2) चंद्रयान पर बढ़ते कदम								
Physical Education	1) Draw the fixture of 11 & 19 teams on knock out fixture. 2) Draw the fixture of 8 & 9 teams on league basis according to Cyclic Method, Stair Case Method. (In Physical Education register).								
Computer	<p>Do the following Questions in Computer register:-</p> <p>1. Write a program in Python which takes the dictionary, S contains Name: [Eng, Math, Science] as key: value pairs. The function displays the corresponding grade obtained by the students according to the following grading rules.</p> <table border="1"> <thead> <tr> <th>Average of Eng, Math, Science</th><th>Grade</th></tr> </thead> <tbody> <tr> <td>≥ 90</td><td>A</td></tr> <tr> <td>< 90 but ≥ 60</td><td>B</td></tr> <tr> <td>< 60</td><td>C</td></tr> </tbody> </table> <p>For example : Consider the following dictionary $S = \{ \text{"AMIT"} : [92 , 86 , 64] , \text{"NAGMA"} : [65 , 42 , 43] , \text{"DAVID"} : [92 , 90 , 88] \}$ The output should be : AMIT - B NAGMA - C DAVID - A</p> <p>2. Write the Python statement for each of the following tasks using built-in functions/methods only :</p> <p>(i) To remove the item whose key is "NISHA" from a dictionary named Students. For example, if the dictionary Students contains $\{ \text{"ANITA"} : 90 , \text{"NISHA"} : 76 , \text{"ASHA"} : 92 \}$, then after removal the dictionary 1 should contain $\{ \text{"ANITA"} : 90 , \text{"VASHA"} : 92 \}$</p> <p>(ii) To display the number of occurrences of the substring "is" in a string named message. For example if the string message contains "This is his book", then the output will be 3.</p> <p>3. Write the output on execution of the following Python code:</p> <pre> S="Racecar Car Radar" L=S . split () for W in L : x=w . upper () if x==x [: : - 1] : for l in x : print (l , end="*") else : for l in W : print (l , end="#") print () </pre>	Average of Eng, Math, Science	Grade	≥ 90	A	< 90 but ≥ 60	B	< 60	C
Average of Eng, Math, Science	Grade								
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Painting	Draw any 2 still life and 2 Nature scene sketch on drawing sheets.
Maths	Do the following Questions: (In Maths register). 1) Ex1.1 Q3 to Q5 2) Ex1.2 Q6 to Q8 3) Ex2.1 Q11 to Q14 4) Ex2.2 Q10 to Q15
Physics	Prepare a Model /Chart to show like charges repel each other and unlike charge attract each other. Also make project report.
Chemistry	Draw structures of primary and secondary Batteries with cell equation on chart paper [Pg.54 to 56]
Biology	Draw a labelled diagram of an "Embryosac" inside the Megasporangium. Mention the role of various cell's present in Embryosac. (A4 size sheet).

The Summer Assignment should be completed using the following list of subject books and notebooks.

English	Class work register
Phy.Edu.	Class work register, Book
Computer	Class work register, Book
Painting	Drawing Sheet, Book
Hindi	Class work register
Physics	Physics Book
Maths	Class work register
Chemistry	Chemistry Book
Biology	Biology Book