



BLS INTERNATIONAL SCHOOL, HATHRAS
(Affiliated to C.B.S.E., New Delhi, Affiliation No. 2131917, School Code 60805)

SESSION: 2023-2024
WINTER HOLIDAY HOMEWORK

Class XI

Stream - Science

S.No	SUBJECT	PROJECT/ ACTIVITY
1.	English	<ol style="list-style-type: none">1. Prepare the notes(Note Making) using headings and sub-headings from any of the passages(Of your own choice). Use recognisable abbreviations wherever necessary.2. You are the General Manager of Dream Travels. Draft a suitable advertisement in 50 words for the classified columns as the holiday season is approaching and lots of people will like to go on guided tours.3. Draft a poster in not more than 50 words for announcing 'The Annual Drama Festival ' of your school, asking for participation of groups of students interested. Invent necessary details.4. On the occasion of National Consumer's Day. You have to speak on the topic ' Consumer Rights and their Protection ' . Draft the speech in 120-150 words.5. ' The Internet can't replace a classroom teacher ' . Write a debate in 120-150 words either for or against the motion.
2.	Mathematics	Do any four lab manual activities.
3.	Physics	Do the Activities and Practicals in lab manual as assigned to you.
4.	Chemistry	<ol style="list-style-type: none">1.Prepare short notes on the topic methods of purification of organic compounds in your class work notebook.2. Complete your lab manual work with all the experiments.
5.	Biology	<p>Do the given questions in your fair notebook.</p> <ol style="list-style-type: none">1. What is meant by the resting membrane potential of neuron. How do ion channels & sodium – potassium pumps contribute to the resting potential?2. Name the hormone that regulates each of the following and mention the source of it.<ol style="list-style-type: none">1) urinary elimination of water.2) storage of glucose as glycogen.3) Na⁺ and K⁺ metabolism.4) Basal metabolic rate5) Descent of testes into scrotum.3. Explain the mechanism of hormone action.



		<p>4. Describe the physiological functions & disorders of thyroid gland.</p> <p>5. Differentiate between exocrine, endocrine & heterocrine glands.</p> <p>6. A patient was complaining of frequent urination, excessive thirst, hunger and tiredness. His fasting glucose level was found higher than 130 mg / dL on two occasions :</p> <p>(i) Name the disease</p> <p>(ii) Give the root cause of this disease \</p> <p>(iii) Explain why the blood glucose level is higher than 130 mg / dL.</p> <p>7. What is the role of Ca⁺⁺ and ATP in muscle contraction?</p> <p>8. Describe the various kinds of joint in human body. According to mobility giving one example of each.</p>
6.	Physical Education	Prepare your physical education Practical file.
7.	Computer Science	<p>Find the largest/smallest number in a list using loop.</p> <p>Eg.</p> <p>Output: MaxVal= 84 MinVal= 15</p> <p>Input a list of numbers and swap elements at the even location with the elements at the odd location.</p> <p>Eg.</p> <p>Input a list of 'n' integer elements and search for an 'element with location' entered by a user.</p> <p>Eg.</p> <p>Enter element to search: 23 Output: Element 23 found at location 8</p> <p>Create a dictionary with the roll number, name and marks of 'n' students in a class and display the names of students who have scored marks above 75.</p> <p>Note: Data in dictionary is to be maintained in the following format d= {Rollno: [Name,Marks]}</p> <p>For example, d= {1:['Ashish',76], 2:['Ankit',54],3:['Deepak',84]..... and so on}</p> <p>Output: Ashish Deepak</p> <p>In a given list of strings and integers, reverse each element and store back in list. For example, Original: [123, 'abc', 34345, 'deepak', 3434, 52353] Reversed: [321, 'cba', 54343, 'kapeed', 4343, 35325]</p>
8.	Painting	Make 2 Landscape painting and 2 folk art painting on A3 size sheet.

