

ST. XAVIER'S SCHOOL, SILIGURI
FIRST TERM ASSIGNMENTS. 2020
CLASS X

SUBJECT	ASSIGNMENT	INSTRUCTION
ENGLISH I	1) Select 20 proverbs. Write its meaning and use it to make a sentence. 2) ART OF EFFECTIVE ENGLISH : SOLVE THE GRAMMAR PART OF ICSE YEAR 2011-2017.	ICSE PAPERS ARE AVAILABLE ON THE INTERNET.
ENGLISH II	1) Biography of the poet 'Sarojini Naidu'. Line by line analysis of the poem 'Bangle Sellers' with its theme, style and symbolism. 2) Do you think Shylock is a villain or a tragic figure in the play 'Merchant of Venice' ? Give reasons for your answer.	1) Starting with the poet's biography, line by line analysis of the poem. Write about its theme, imagery, style, technique, literary devices used, symbolism in different subheadings along with the examples/lines from the poem in quotes. Conclusion (must)- your understanding and bring out the message that the poem intends to deliver. 2) Introduction- • write about W. Shakespeare, • about the play MOV • character's list (all the characters in brief) • Character Analysis : Shylock • Important plots with the character Shylock • Shylock, a hero or villain (give reasons) • Theme • Conclusion (must). Keypoints, headings should be highlighted. Refer your workbooks and internet

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HINDI	<p>1) surdas ke bare me likhte huye 'sur ke pad' ki vyakhyan karen. 2) Hindi sahity me harishankar parnai ka yogdan likhen or chitr chupkaye.</p>	<p>Pahle surdas ke bare me likhna hai unke dwara likhe rachna deni hai sath me yah bhi batana hai ki vo kis kal ke kavi hai or kiski bhakti karte the. uske bad sur ke pad ko likh ke uski vyakaya karni hai or ant me apne shabdo me likhna hai vishy ke bare me. *Hindi sahity ke bare me batana hai thora sa phir harishankar parnai ke bare me likhna hai ki unke kahani ka vishy kaisa hota hai. unki mahatvapurn rachnayen konsi hai. ant me batana hai ki unki kahani kis prkar aj ke samaye ko darshati hai.</p>
BENGALI	<p>1. Bama golper lekhok porichiti soho bisoy songkhep lekho (Bisoy somporokito picture debe). 2) Nepaler samprotik bhumikompo bisoye probondho lekho. (picture debe).</p>	<p>You can prefer text book and internet.</p>
GEOGRAPHY	<p>Transport in India: Development of Road, Rail, water and Air routes .</p>	<p>After writing acknowledgment, content briefly describe the introduction -in this you need to define transport system, then explain the significance of transport .after this explain the various modes of transport in India mainly rail, road, waterway and airway. (paste pictures). Last you need to write conclusion and bibliography. You can prefer wikipedia, text book of class X.</p>
HISTORY and CIVICS	<p>write down the main functions and objectives of WHO, Gandhiji's contribution for freedom struggle.</p>	<p>students can take help of relevant books, ancient books magazines sources such as internet links or they can prefer previous class history text books.</p>

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PHYSICS	<p>RESEARCH FOR WORKING MODEL FOR SCIENCE FAIR :</p> <p>Find out an appropriate topic for your science model with the help of internet or books. Write its theory, working, parts to be used and detailed diagram in the following format</p> <ul style="list-style-type: none">• Name of the topic• Theory or Principle on the basis of which it is working• Parts required• Diagram• Working of the model <p>While choosing the topic make sure that it is not expensive to make, parts are readily available</p>	<ol style="list-style-type: none">1. Find it from science magazine and internets2. STUDENTS ARE REQUIRED ONLY TO SUBMIT WHAT THEY WANT TO MAKE IN WRITING IN PAPER.3. THE MODEL HAS TO BE MADE ONLY AFTER THE REGULAR CLASSES STARTS.4. <u>NEVER LEAVE YOUR HOUSE FOR THIS PURPOSE</u>
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<p>MATHEMATICS</p>	<ol style="list-style-type: none"> 1. Take a square sheet of paper of side 10 cm. Four small squares are to be cut from the corners of the square sheet and then the paper folded at the cuts to form an open box. What should be the size of the squares cut so that the volume of the open box is maximum? 2. An eccentric artist says that the best paintings have the same area as their perimeter (numerically). Let us not argue whether such sizes increase the viewer's appreciation, but only try and find what sides (in integers only) a rectangle must have if its area and perimeter are to be equal (Note: there are only two such rectangles). 	<p>ANY MATHS 10 BOOK CAN BE USED</p>
<p>CHEMISTRY</p>	<p>Different types of acids and bases their sources and uses in our daily life.</p>	<p>You can find from class X simplified book and internet.</p>
<p>BIOLOGY</p>	<ol style="list-style-type: none"> 1) Enumerate the various changes that occur in the nucleus of the cell during prophase and anaphase stage of mitotic division. 2) Name and explain the various stages of cell cycle (refer class x consice biology) 	<p>You can find from class 10 book and internet etc.</p>

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COMPUTER	<p>Assignment 1. Design a class Armstrong with following functions : i) int cube (int z) - to return the cube value of integer z. ii) void checkArmstrong () - by invoking function cube () find and print only armstrong numbers between 50 to 300. [If sum of cubes of each digit of number is equal to the given number itself , then the number is an armstrong number . Example 153 is an armstrong number] Write a program to print only armstrong numbers from 50 to 300 by using above functions.</p> <p>Assignment 2. Write a program to print all prime numbers between two numbers entered by the user with the help of following functions : i) boolean isPrime (int N) - to return 'true' if N is prime , otherwise 'false'.ii) void showPrime(int s , int e) - to print all prime numbers between start(s) and end (e) limits by invoking function isPrime() . Make sure that s<e , otherwise print suitable message.</p>	<p>After writing acknowledgment, content write introduction of Define function , advantages of function and the types of functions with programming examples.</p> <p>For more details they can prefer text book of class X LogiXComputer Applications and Computer Application Practical Work Book.</p>