

HOLIDAY HOMEWORK 2018-19
Class: X

This year, your holiday homework is a fun mix of all the aspects of learning. It has been designed to ensure that you enjoy and learn at the same time. Special attention has been taken to ensure that you use your creativity, your innovative ideas and your imagination to shape your holiday homework into fantastic 'creations'. So enjoy your holidays spending quality times with your near and dear ones and devote sometimes to learn new things.

General Instructions:

- Holiday Homework of all subjects to be done in **separate Stick Files** (only).
- The areas to be covered are suggested below. You can of course use your creativity and innovation for new ideas too!
- Credit will be awarded to original photographs/ drawings, illustrations and creative use of materials.
- Holiday Homework needs to be submitted on 10th July 2018.
- Holiday Homework needs to be developed and presented in this order:
 - Cover page showing title, student information, school and academic year and parent's signature.
 - List of contents with page numbers.
 - The last page should have Bibliography/ Sources of information from where you have collected your information.

Subject: English

Read the novel, Diary of Anne Frank and write a book review (250-300 words) covering the following aspects: Plot and theme, main characters, setting, language and vocabulary and any other elements which make the story interesting.

Subject: Mathematics

S.No	TOPIC	CONCEPTS	NCERT BOOK
01	Real Number	Euclid's division Lemma & Algorithm	Example -1,2,3,4 Ex:1.1 Q:1,2,4
		Fundamental Theorem of Arithmetic	Example -5,7,8 Ex:1.2 Q:4,5
		Revisiting Irrational Numbers	Example -9,10,11 Ex: 1.3 Q:1.2 Th:1.4
		Revisiting Rational Number and their decimal Expansion	Ex -1.4 Q:1
02	Polynomials	Meaning of the zero of Polynomial	Ex -2.1 Q:1
		Relationship between zeroes and coefficients of a polynomial	Example -2,3 Ex-2.2 Q:1
		Forming a quadratic polynomial	Ex -2.2 Q:2
		Division algorithm for a polynomial	Ex -2.3 Q:1,2
		Finding the zeroes of a polynomial	Example: 9 Ex -2.3 Q:1,2,3,4,5 Ex-2.4,3,4,5
03	Pair of Linear Equations in	Graphical algebraic representation	Example:2,3 Ex -3.4 Q:1,3
		Consistency of pair of liner	Ex -3.2

	two variables	equations	Q:2,4
		Graphical method of solution	Example: 4,5 Ex -3.2 Q:7
		Algebraic methods of solution	
		a. Substitution method	Ex -3.3 Q:1,3
		b. Elimination method	Example-13 Ex:3.4 Q:1,2
		c. Cross multiplication method	Example-15,16 Ex:3.5 Q:1,2,4
		d. Equation reducible to pair of liner equation in two variables	Example-19 Ex-3.6 Q :1(ii),(viii),2 (ii),(iii)

Subject: Science

Study the redox reaction and neutralization reaction in day to day life.

- i. Take few iron nails, nails of copper, nails of aluminum and divide each type of metal nails in three groups. Name them group A, B and C. Keep the nails of group “A” dipped in water in a suitable container (i.e. dip iron nails in a container filled with water, similarly dip aluminum nails and copper nails in a separate container filled with water and marked them “A”.) Then take equal number of nails of each metal and dip them in a container filled with oil (mustard oil or groundnut oil) and mark them “B”. Lastly take the third set of metal nails and keep them on a cotton wet with water. Now keep “A” and “B” undisturbed for 5 days while on “C” sprinkle some water regularly so as to keep the cotton wet enough during this process. Observe and write the changes took place in all the three and find out the reasons behind those changes.
- ii. Take a pack of packed snacks and open that. Now divide the snacks in two groups namely group “A” and “B”. Now keep the content of group “A” in back in the pack and tie it with the help of a rubber band and keep it undisturbed for 5 days while keep the content of group “B” in an open container for 5 days. After 5 days observe and write the changes taken place in the content of both the groups and find the reasons behind those changes.
- iii. In your family talk to elders about acidity felt by them and its symptoms and reasons. Also ask them the medicines which were used by them to get relief from the acidity. If they have used oral antacid like ENO, Gelusil, Digene etc. then try to find out the ingredients of these antacids and how do these ingredients help to decrease acidity? Pen down all the data collected.

Subject: Social Science

Role and function of election commission towards maintaining Indian democracy. Mention the steps from nomination to result declaration in an election.

OR

Collect logos of standards available for any ten goods and services. Also collect two stories of consumer exploitation and grievances from the newspapers or local sources.

NOTE- Paste photographs/ pictures to make the project more attractive.

Subject: Hindi (II Language)

निम्नलिखित फ़िल्में - स्वदेश , बागबान , दशरथ मांझी , आई ऍम कलाम में से किसी एक फिल्म को देखिए और फिल्म के किसी एक प्रभावशाली चरित्र की पांच विशेषताओं का वर्णन 130 शब्दों में कीजिए I साथ ही फिल्म की किस घटना ने आपको सबसे अधिक प्रभावित किया और क्यों ? 120 शब्दों में वर्णन कीजिए।

Subject: French (II Language)

Rédigez une critique d'un roman en 150 mots En français que vous avez lu pendant les vacances.
Write a review of any novel in French in about 150 words which you have read during the vacation.

Subject: German (II Language)

Verbringen Sie ein paar Zeit mit deinen Großeltern (Großvater/ Großmutter) und fragen Sie nach ihre Kindheit Erfahrung und schreiben Sie auf Deutsch in 120 Wörter.
This summer spend some time with your grandparents (grandfather/grandmother) and ask them about any of their childhood experience and write the same in German in about 120 words.