

I can... I will An endeavor to bring a positive change in the current social scenario

History speaks its own legends. If we explore our glorious past we will come to know that without the participation of our young 'soldiers' we would definitely have been a in a captive India even today. All the slogans and freedom calls would have been in vain without the support of the youth of the nation.

This world demands the qualities of youth: a temper of will, a quality of imagination, a predominance of courage over timidity, an appetite for adventure over the life of ease.

"No one killed Jessica" were the words that shook the nation. The murderer was acquitted and he walked free, as he came from an influential background. The case was closed. This enraged the youth so they decided to take the matter into their own hands. It was a mass movement that included candle marches and movement groups. Campaigns were organized for justice. Had it not been the collective effort of the youth the culprit would have gone scot free. This is the power of youth.

The forum for creating awareness amongst the students of the School regarding social issues would be through a presentation. It will be an inter section competition wherein a group of each section has to be created on FACEBOOK. The students of each section will contribute by uploading pictures, documentaries, videos, articles etc related to their respective socially relevant topic.

The presentation should be of 15min duration and should include

1. Aim/ Objective of the presentation.
2. Current scenario / Details of the social problem.
3. Steps taken by the government to eradicate the problem
4. Steps / Action/ Solution that you think should be implemented and your contribution in implementing it.

This presentation will be shown after the summer vacations to all sections of XI. As a step to implement the solution to the social problem the students can initiate an awareness campaign on the net or can include any other form for spreading the social awareness.

For any further queries you can contact the core team of your section.

So best of luck to all of us and lets get started. The topic of presentation for each section are

CLASS & SECTION	TOPIC
XI - A	THINKING BEYOND ONESELF
XI - B	SELF DISCIPLINE
XI - C	RACISM
XI - D	SAFETY OF WOMEN
XI - E	RESPONSIBLE USE OF SOCIAL MEDIA

HOLIDAY HOME WORK

CLASS XI

SUBJECT - ENGLISH

1. Study the table given below:-

TYPES OF WRITING STYLES				
	EXPOSITORY	NARRATIVE	DESCRIPTIVE	PERSUASIVE
What is it?	<i>Expository</i> means to explain or describe something. It is the most common genre of writing. In an expository piece, a topic is introduced and laid out in a logical order without reference to the writer's personal opinions.	Narrative writing is used in both fiction and non-fiction. When writer writes in a narrative style, he is not just trying to impart information, but also trying to construct and communicate a story, complete with characters, conflict, and settings. It can be found in fiction, poetry, biographies, human interest stories, and anecdotes. Narrative writing can also include dialogue.	Descriptive writing helps the reader visualize a character, an event or a place in great detail. The writer often employs literary devices to describe something in terms of all five senses.	The aim of persuasive writing is to influence the reader and to convince him to agree with the writer's point of view. Persuasive writing contains the writer's opinions and biases, as well as justifications and reasons to support his stand.
Uses	<ul style="list-style-type: none"> • Reports and articles • Textbook writing. • How-to articles. • Recipes. • Business, technical, or scientific writing. 	<ul style="list-style-type: none"> • Novels • Short stories • Novellas • Poetry • Autobiographies or biographies • Anecdotes 	<ul style="list-style-type: none"> • Poetry • Journal or diary writing • Nature writing • Descriptive passages in fiction 	<ul style="list-style-type: none"> • Speech and debates • Advertisements. • Reviews (of books, music, movie, restaurants, etc.). • Letter of recommendation, complaint, letter to the editor and cover letters
Assignment	Research on the Kashmiri pandit style of cuisine. Find a recipe for any one of the following and write/paste it in your copy with a picture. 1. Rogan Josh 2. Haak	Imagine if you could time travel, where would you like to travel (into the past or to the future) and why? Write in 80-100 words.	Visit any one of the following place in Delhi: 1. Chandni Chowk 2. Lodhi Garden 3. Connaught Place 4. India gate Write a description the place. Use auditory, visual, tactile, olfactory imagery. (80-100 words)	Write a review of a movie that you have watched and liked. (50-60 words) Or Write a review of your favourite restaurant. (50-60 words)

2. Log on to www.discoveringegypt.com. Find out how to write your name in hieroglyphics. Copy the same in your register.
3. Watch the video –“Hidden meaning of Yin and Ying- John Bellamy” on youtube. Draw the symbol of Ying and Yang in the copy. Write five words denoting each.
4. Create a crossword on Sailing Terminology.

5. Research the new additions from Indian Languages to the Oxford English Dictionary. Write five such words, their source and meaning.
6. Cut out 2 clippings each of Classified Ads under the heads –
 - For sale
 - To-let
 - Situation vacant

NOTE: The Holiday Homework should be done in Literature Class work register.

7. Read at least two works of fiction from the list given below.
 - a. The Alchemist- Paulo Coelho
 - b. Jonathan Livingston Seagull- Richard Bach
 - c. The flight of the pigeons- Ruskin Bond
 - d. City of Djinn- William Dalrymple
 - e. The Hitchhiker's guide to the galaxy- Douglas Adams
 - f. Fangirl- Rainbow Rowell
 - g. From Heaven's Lake- Vikram Seth
 - h. The catcher in the rye- JD Salinger
 - i. The Book Thief – Markus Zusak
 - j. The Chariots of Gods- Erich Von Daniken
 - k. I know why the caged bird sings- Maya Angelou
 - l. Where the red fern grows- Wilson Rawls
8. Watch at least 3 English films from the list given below.
 - a. Harry Potter and the prisoner of Azkaban
 - b. The Mummy
 - c. Schindler's List.
 - d. A Beautiful Mind
 - e. Day after tomorrow
 - f. The Groundhog day
 - g. Forrest Gump
 - h. Castaway
 - i. Inception
 - j. Gravity
 - k. Hugo
 - l. Top Gun
 - m. Life of Pi
 - n. Interstellar

SUBJECT- MATHEMATICS

ASSIGNMENT CHAPTER 1: SETS

- 1) Two finite sets have m and n elements respectively. The total number of subsets of first set is 56 more than the total number of subsets of the second set. Find the values of m and n respectively.
- 2) If A and B are two sets containing 3 and 6 elements respectively, find the maximum and minimum number of elements in $A \cup B$.
- 3) Describe the following sets in the set builder form:
 - i. $A = \{1, 2, 3, 6, 9, 18\}$
 - ii. $B = \{1, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \dots\}$
 - iii. $C = \{\frac{1}{2}, \frac{2}{5}, \frac{3}{10}, \frac{4}{17}, \frac{5}{26}, \frac{6}{37}, \frac{7}{50}\}$
- 4) Write the following in the roster form:
 - i. $A = \{x : x \in Z \text{ and } \frac{-1}{2} < x < \frac{7}{2}\}$
 - ii. $C = \{x : x \text{ is a positive integer and } x^2 = x\}$
 - iii. $D = \{x : x \text{ is a perfect square and } x < 50\}$
 - iv. $C = \{x : x^4 = x, x \in R\}$
- 5) If A, B and C are any three sets, then prove that:
 - i. $A - (B \cap C) = (A - B) \cup (A - C)$
 - ii. $A \cap (B - C) = (A \cap B) - (A \cap C)$
- 6) Prove the following using Venn Diagram:
 - i. $A - (B - C) = (A - B) \cup (A \cap C)$
 - ii. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
- 7) Using properties, prove that :
 - i. $(A - B) \cup B = A \cup B$
 - ii. $(A - B) \cup A = A$
 - iii. $(A - B) \cap B = \emptyset$
 - iv. $(A - B) \cap A = A \cap B'$
 - v. $A - (B \cup C) = (A - B) \cap (A - C)$
 - vi. $A - (B \cap C) = (A - B) \cup (A - C)$
 - vii. $(A \cup B) - C = (A - C) \cup (B - C)$

- 8) In a survey of 400 students in a school, 100 were listed as taking apple juice, 150 as taking orange juice and 75 were listed as taking both apple as well as orange juice. Find out many students were taking neither apple nor orange juice?
- 9) For any two sets A and B prove that $P(A) \cup P(B) \subset P(A \cup B)$. But, $P(A \cup B)$ is not necessarily a subset of $P(A) \cup P(B)$.
- 10) In a university, out of 100 students 15 offered Mathematics only; 12 offered Statistics only; 8 offered Physics only; 40 offered Physics and Mathematics; 20 offered Physics and Statistics; 10 offered Mathematics and Statistics; 65 offered Physics. Find the number of students who
- Offered Mathematics
 - Offered Statistics
 - Offered exactly 2 of the three subjects
 - Did not offer any of the three subjects
 - Atleast one of the three subjects
 - Offered Mathematics and Statistics but not Physics
 - Offered Mathematics or Statistics but not Physics
- 11) An investigator interviewed 100 students to determine the performance of three drinks: milk, coffee and tea. The investigator reported that 10 students take all three drinks; 20 take milk and coffee; 25 take milk and tea; 20 take coffee and tea; 12 take milk only; 5 take coffee only and 8 take tea only. Find the number of students who did not take any of the three drinks.
- 12) In a competition, a school awarded medals in different categories. 36 medals in dance, 12 medals in dramatics and 18 medals in music. If these medals went to a total of 45 persons and only 4 persons got medals in all the three categories, how many received medals in exactly two of these categories?
- 13) Out of 280 students in class XII of a school, 135 play Hockey, 110 play Football, 80 play Volleyball, 35 of these play Football and Hokey, 30 play Volleyball and Hockey, 20 play Football and Volleyball. Also each student plays at least one of these games. How many students play all the three games?