



**ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN**  
**HOLIDAY HOMEWORK**  
**SESSION: 2017-18**  
**SUBJECT: ENGLISH**  
**CLASS: X**

1. Read 'The Story of My Life' (whole novel).
2. Revise the syllabus done for first periodic in July.
3. Write a book review of ANY book outside your syllabus.  
(Subject Enrichment)
4. Use all the words of the day into sentences of your own.(in language note book)
5. Make a magazine (scrap book or spiral bound) with the following page wise :
  - Attractive cover page with innovative name
  - Advertisement
  - Crossword puzzle
  - Poster
  - Lost and found advertisement
  - Pictorial description of your favorite personality
  - Idioms and decent jokes
  - Depiction of cyber security and mobile etiquettes in cartoon form
  - Safety on roads (pictorial depiction)
  - Save Earth(pictorial depiction)

**\*Note : NOT A SINGLE WORD OF HINDI AND NO CUTTING AND PASTING**



**ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN**  
**HOLIDAY HOMEWORK**  
**SESSION: 2017-18**  
**SUBJECT: HINDI**  
**CLASS: X**

ग्रीष्मावकाश गृहकार्य

कक्षा-10

विषय-हिंदी

निर्देश-प्रश्न 1 एवं 2 व्याकरण की कॉपी में और प्रश्न 3 'ए4' पृष्ठ में लिखिए-

- (1) दो पत्र (औपचारिक)
  - (क) शिकायती पत्र
  - (ख) सम्पादकीय पत्र
- (2) अनुच्छेद लेखन
  - (क) लोकतंत्र व चुनाव
  - (ख) प्लास्टिक की दुनिया
- (3) समसामयिक लेख या कहानी (स्वरचित)



**ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN**

**HOLIDAY HOMEWORK**

**SESSION: 2017-18**

**SUBJECT: MATHS**

**CLASS: X**

**QUESTIONS ON LOGICAL THINKING( DO THIS IN A SEPARATE NOTEBOOK)**

1. Look at the series 7, 10, 8, 11, 9, 12 \_\_\_\_ . What number should come in the blank?
2. In a family there are husband , wife, two sons and two daughters . All the ladies were invited in the dinner. Both sons went out to play . Husband did not return fro office, Who was at home?
3. Pointing to a man in a photograph a woman said , “ His brother’s father is the only son of my grandfather.” How is the man related to the woman?
4. Complete the series EJO, TYD, INS, XCH , \_\_\_\_
5. A student is ranked 13<sup>th</sup> from right and 8<sup>th</sup> from left. How many students are there in total?

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**PRACTICE FOLLOWING QUESTION:**

1. Show that the square of an odd integer can be of the form  $6q+1$  or  $6q+3$  for some integer  $q$ .
2. Express the given rational no.  $\frac{67}{2^3 \times 5^2}$  in decimal expansion without actual division.
3. Prove that  $\sqrt{5}$  is an irrational number .
4. Check whether the number  $15^n$  , where  $n$  is a natural number , ends with the digit 0.
5. Write a quadratic polynomial sum of whose zeroes is 5 and their product is 2.
6. On dividing  $p(x) = x^3 - 3x^2 + x + 2$  by polynomial  $g(x)$ , the quotient  $q(x)$  and the remainder  $r(x)$  are  $x-2$  and  $-2x+4$  respectively. Find the polynomial  $g(x)$ .
7. Find all zeroes of the polynomial  $p(x) = x^4 + x^3 - 5x^2 - 3x + 6$ , if two of its zeroes are  $\sqrt{3}$  and  $-\sqrt{3}$  .
8. If  $3\cot\theta = 4$ , find the value of  $\frac{5\sin\theta - 3\cos\theta}{5\sin\theta + 3\cos\theta}$
9. Prove that  $\frac{\cos A}{1 + \sin A} + \frac{1 + \sin A}{\cos A} = 2\sec A$

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**LAB ACTIVITY ( DO THIS IN THE LAB MANUAL)**

1. To obtain the Zero of a Quadratic Polynomial geometrically.
2. To verify experimentally a trigonometric identity ( $\sin^2 A + \cos^2 A = 1$ )
3. To verify the Basic Proportionality Theorem using Parallel line.

**INVESTIGATIVE PROJECT**

Measure the weight of 20 persons (in kg) of your family and neighbours . Make a commulative frequency table from it. Find the mean, median and mode of this commulative frequency table and verify the relation using empirical formula. ( submit this project in the folder)

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**ARMY PUBLIC SCHOOL BIRPUR, DEHRADUN**

**HOLIDAY HOMEWORK**

**SESSION: 2017-18**

**SUBJECT: SCIENCE**

**CLASS: X**

CLASS	HOME WORK	REMARKS
<b>X (PHYSICS)</b>	(1) Frame question bank (along with the answers) of chapter 1 at least 15 questions each, other than in NCERT. (2) Make a write up of the lab activity.	1. Make a separate copy for the question bank. 2. You can also include some numericals. Make the write up in A <sub>4</sub> size paper & also make the front page as told.
<b>X (CHEMISTRY)</b>	(1) Read and Revise L-1. (2) Make 10 Questions from L-1. (3) Make concept map of L-1 and L-2. (4) Research Project- Uses of acid and bases have made our life better.	Thin copy. Thin copy. Stick File.
<b>X (BIOLOGY)</b>	(1) Make a chart of digestive system/ respiratory system/circulatory system/ excretory system.( Acc. to Roll no.). (2) Make a ppt. with an interesting video of pulmonary and systematic circulation. (3) Make a question Bank of life processes (20 questions) % from each of the main topic. (4) Narmada Bachao Andolan is a social and environmental movement consisting of adivasis farmers ,environmentalist and human right activists against the large dam being built on the river. Highlight the disadvantages and suggest an alternative to multipurpose dam. (5) Follow a routine of waking up early in the morning and doing any exercise for 40 min (jogging, cycling, Badminton) to enhance your life processes and leading healthy life.	Chart.  CD or Pen drive.  Thin copy.  Stick File.  Value based activity.



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**HOLIDAY HOMEWORK**

**SESSION: 2017-18**

**SUBJECT: SOCIAL SCIENCE**

**CLASS: X**

**Guidelines:-**

**1. Under this activity you are requested to make a Scrapbook.**

**2. It should be of A-4 size.**

**3. Students should cut and paste and write views in not more than 30 words on following dates and topics:**

- |                                                  |                                                               |
|--------------------------------------------------|---------------------------------------------------------------|
| • 01 <sup>st</sup> to 05 <sup>th</sup> June 2017 | Important Dehradun News                                       |
| • 06 <sup>th</sup> to 08 <sup>th</sup> June 2017 | Important State News                                          |
| • 09 <sup>th</sup> to 12 <sup>th</sup> June 2017 | Important National and International News                     |
| • 13 <sup>th</sup> to 15 <sup>th</sup> June 2017 | Important Sports News                                         |
| • 15 <sup>th</sup> to 20 <sup>th</sup> June 2017 | Editorial of each day with highlighting the new words learnt. |
| • 21 <sup>st</sup> to 25 <sup>th</sup> June 2017 | Important articles on any subject.                            |
| • 26 <sup>th</sup> to 30 <sup>th</sup> June 2017 | Times Sudoku, Mindbender , Spellathon , Scramble              |

- 1 Prepare any one out of the following
- 2 An album on the life and career of an author of your choice.
- 3 Prepare a model on globalization
- 4 consumer rights.
- 5 Prepare a project work on Money and Credit
- 6 Model on Indo- China