



**ARMY PUBLIC SCHOOL BIRPUR**  
**SUMMER VACATION**  
**HOLIDAY HOMEWORK**  
**SESSION: 2018-19**  
**CLASS-10**

**SUBJECT-ENGLISH**

1. Read 'The Story of My Life' (whole novel) and learn character sketches.
2. Revise the syllabus done for first periodic in July.
3. Write a review on any English movie that you have seen in your language notebook.
4. Write your bio data/CV/Resume on A4 size sheet and paste it in your language notebook.
5. Write and define with example 20 Literary Devices in literature notebook.
6. Look up five words every day from dictionary with meaning and frame sentences by using them in a thin notebook.

**SUBJECT-HINDI**

प्रश्न 1- पूरक पुस्तिका ( संचयन ) के पाठ पढ़ें तथा प्रत्येक पाठ से पाँच दीर्घ उत्तरीय प्रश्न बनाकर उत्तर सहित में लिखिए। ( अतिरिक्त कॉपी बनाएँ)

प्रश्न 2- निम्न लेखन कौशल व्याकरण की कॉपी में लिखिए-

(क) किसी दैनिक समाचार पत्र के संपादक को शहर में बढ़ती बस दुर्घटनाओं पर चिंता प्रकट करते हुए पत्र लिखिए।

(ख) बैंक की चेक-बुक खो जाने की सूचना हेतु बैंक प्रबंधक को पत्र लिखिए।

(ग) निम्न विषयों पर लगभग 80 से 100 शब्दों में अनुच्छेद लिखिए-

(I) मधुर वचन है औषधि कटुक वचन है तीर

(II) नर हो ना निराश करो मन को

(घ) किसी कंपनी द्वारा निर्मित पेय जल की बिक्री हेतु विज्ञापन का आलेख 20-25 शब्दों में तैयार कीजिए।

**SUBJECT-MATHS**

**NOTE: DO ALL THE QUESTIONS IN A SEPARATE THIN NOTEBOOK EXCEPT LAB MANUAL**

**1. LOGICAL THINKING**

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?

## 2. PRACTICE TIME:

- Practice examples from NCERT of chap: REAL NUMBERS, POLYNOMIAL, TRIANGLES.
- Show that the square of an odd integer can be of the form  $6q+1$  or  $6q+3$  for some integer  $q$ .
- Check whether the number  $15n$ , where  $n$  is a natural number, ends with the digit 0.
- 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  $g(x)$ .
- 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  $-\sqrt{3}$ .

## 3. LAB ACTIVITY (DO THIS IN THE LAB MANUAL)

- To obtain the Zero of a Linear Polynomial Geometrically.
  - To verify experimentally a trigonometric identity ( $\sin 2A + \cos 2A = 1$ )
  - To verify the Basic Proportionality Theorem using Parallel line.
4. **INVESTIGATIVE PROJECT:** Show experimentally the values of trigonometric ratios at any 3 specific angles ( $30^\circ$ ,  $45^\circ$ ,  $60^\circ$ ,  $90^\circ$ ) (Modal or Chart)

## SUBJECT-SCIENCE

### **Chemistry**

- Write 10 Chemical Equations and balance them (separate thin notebook).
- Write three Examples of each type of chemical reaction (same thin notebook)
- Write the experiment demonstrated in class for types of chemical reactions in the Chemistry Practical file.
- Prepare turmeric paste strips and test it for acid and base and paste it in your chemistry notebook

### **Biology**

- Write about different modes of nutrition other than mentioned in your book with suitable examples. (In file pages)
- Write in file pages "How different life processes are co-related to each-other".
- Learn chapter Life processes and prepare its notes and make 20 questions other than the one in your book. (In separate thin notebook).
- Write the practical 1 & 2 (temporary mount of stomata &  $\text{CO}_2$  is given out during respiration) in your Biology practical copy

### **Physics**

- Do worksheet of chapter 1 of physics given in classroom.
- Make notes of Chapter 1 in a thin notebook and make at least 10 questions other than book questions from the chapter.

### SUBJECT-SOCIAL SCIENCE

1. Prepare model on the following topics according to groups:
  - a) Disaster Management (on any disaster)
  - b) Popular struggles in Nepal and Bolivia
2. Visit a nearby bank and observe working of bank and prepare a project on " Money and credit"
3. Watch movie on national struggle (Suggested "Gandhi") and movie on Vietnam War.
4. Revise and make 10 questions each from all the covered chapters in a thin note book.  
1marks= 3 questions, 3 marks=3 questions, 5 marks=4 questions(in a flow chart)

HAVE A WONDERFUL VACATION....