

DELHI POLICE PUBLIC SCHOOL
HOLIDAY HOMEWORK
CLASS VII

Dear Students,

“Learn while doing but don’t learn to do .Let your falls not be on a prepared ground, but let them be bona fide falls in the rough and tumble of the world. So, spend your holidays with spirit of enthusiasm and excitement and at the same time enhance your knowledge.

ENGLISH

- What are “**beneficial insects**”. Paste at least 5 beneficial insects with pictures & write 2-3 lines about them. (In reference to unit one Environment (Sec-1) Chapter A true story about ladybugs.
- Guidelines :-
 - Do the assignments in the notebook.
 - Try reading novels/stories by R.K. Narayan.
 - a) Malgudi Days
 - b) Under the Banyan Tree
 - c) The best of R.K. Narayan

MATHS

Q.1 Do as directed:

- i) The additive inverse of (-9) is _____
- ii) Write a pair of negative integers x and y such that $x - y = 5$.
- iii) The multiplicative identity for integers is -1 (T/F).
- iv) $45 + (-59) =$ _____

Q.2 Simplify $115 \times (-98)$, using suitable properties.

Q.3 Find i) $(-105) \div (-15)$
ii) $91 \div (-7)$

Q.4 Arrange the following in ascending order: $\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$

Q.5 Mohit needs to work 45 hours per week. He has worked $38 \frac{1}{2}$ hours so far this week. How many hours does he need to work on Friday to meet the 45 hours requirement?

Q.6 Find (a) $6\frac{3}{10}x \ 2\frac{1}{7}x \ \frac{5}{9}$ (b) $6\frac{3}{10}x \ 2\frac{1}{7}x \ \frac{5}{9}$

Q.7 In a class test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer. Radhika answer all the questions and scored 30 marks though she got 10 correct answers. How many incorrect answers were answered by her?

- Q.8 Vidya and Pratap went for a picnic. Their mother gave them a water bottle that contained 12 litres of water. Vidya consumed $\frac{2}{3}$ of the water. Pratap consumed the remaining water.
- How much water did Vidya drink?
 - What fraction of the total quantity of water did Pratap drink?
- Q.9 The temperature at 6 pm of a town was 37° C. At midnight the temperature was 31° C. If the rise in temperature every hour is same, find the rise in temperature per hour.
- Q.10 Priyanka bought 25 apples. She kept 13 apples with her and distributed the remaining apples equally among her three friends. What fraction of apples did each of her friends get?
- Q.11 Find an integer which when multiplied by 3 and then divided by 2 becomes (-18) .
- Q.12 The product of two integers is -182 . If one of the integers is 13, find the other integer.
- Q.13 By what number should -324 be divided to obtain -18 ?
- Q.14 Evaluate:
- $-15 + (-23) - (-24) + (-17)$
 - $(-5) \times (-13) \times (-1) \times 0 \times (-6)$
- Q.15 Write 3 pairs of integers (a, b) such that $a \div b = -5$
- Q.16 Subtract additive inverse of -48 from the sum of -34 and -49 .
- Q.17 Find an integer which when multiplied by -1 and divided by -9 results into reciprocal of that integer.
- Q.18 If p and q are both negative integers then state the sign of given expression in each of the following: (i) $p + q$ (ii) $p \times q$ (iii) $p \div q$
- Q.19 Evaluate:
- $15 - 6 \div 2 - 5 \times (-7)$
 - $23 + 18 \div (8 - 2) + 3 \times (-4)$
 - $17 - \{8 \div 12 \times 3 - 4\}$
 - $7 - 8 \div (-2) + 3 \times (-4)$
- Q.20 Evaluate using distributive property:
- -42×1001
 - $-19 \times (-68)$

SCIENCE

The holiday homework must be hand written. However , relevant pictures may be pasted. Cover page should be made aesthetically .It should be creative indicating the name of the student along with the class and section. The marks will be given on punctuality, presentation, creativity, research, neatness, content. It should be compiled either on an A-4 sized colored sheets or in a scrap book . **Date of submission –By 1st week of July**

1. “ADOPT A PLANT”.

Each student will adopt a sapling. Take care of it and water it timely for a period of one month. Note down the changes you observe in a scrap book. Also take pictures of the plant at every stage of change and paste these pictures in a scrapbook.

2. Collect different types of plants pictures under category also write the names of the plants, colour, appearance and details of their structure.
 - a) Insectivorous plants
 - b) Algae
 - c) Parasitic plants
 - d) Saprotrophic plants.

OR

1. Make an attractive Science Journal including article, pictures, poems, cartoon related to science.

Topics – Environment, Health, Technology, Global warming etc. Give an attractive name to your science journal.

2. In a tabular form mention all the glands present in a human body, their functions. What will happened if they don't function properly. What should we do to make them work properly?

S.No.	GLANDS	THEIR FUNCTIONS	PROBLEMS, IF THEY DON'T FUNCTION PROPERLY	PRECAUTIONARY MEASURES/NUTRITIONAL DIET FOLLOWED FOR HEALTHY FUNCTIONING OF THE GLAND

SOCIAL SCIENCE

Delhi was ruled by various dynasties during the medieval period, which influence its culture, architecture, social & economic conditions.

- Prepare a project report on the topic “Delhi Sultans” who ruled the different part of the city (from Rajputs to Mughal dynasties).
- Make a project report on covering following points:-
 - a) Time line of Delhi Sultans
 - b) Their Administrative policies
 - c) Architectural work (forts, mosque & buildings)
 - d) Map representation of cities under Delhi sultanate.
 - e) Special reference of RaziaSultan, AlauddinKhalji& Muhammad Tughluq.
- Guidelines :-
 - Refer chapter 3 History (The Delhi Sultans) for the project.
 - The project should be in A-4 size sheet.
 - Add picture and map.
 - Last date of submission is 5 July 2017.

संस्कृत

व्याकरण - निम्नलिखित शब्दरूपान् स्मृत्वा तेषां लिखित-अभ्यासं क्रियताम्।

(निम्नलिखित शब्दरूपों को याद कर उनका लिखित अभ्यास करें -)

देव, लता, मुनि, फल, साधु

साहित्य

1. 'सुभाषितानि' पाठ के किन्हीं चार श्लोकों का मौखिक मूल्याङ्कन हेतु कण्ठस्थीकरण करें।

2. पञ्चतन्त्र ग्रन्थ का परिचय अपनी संस्कृत पुस्तिका में लिखें।

* हिन्दी

1. दिनकर जी की कविता 'किसको नमन करूँ मैं भारत' लिखिए। आप अपनी मातृभूमि के प्रति कैसा अनुभव करते हैं? अपने विचार चित्र सहित एक अनुच्छेद में लिखिए।

2. 'अनुपम गुरुभक्त' पाठ को ध्यान में रखते हुए गुरु और शिष्य संबंधी कोई पाँच दृष्टे अर्थ एवं चित्र सहित लिखिए।

3. ग्रीष्मावकाश में प्रतिदिन हिन्दी समाचार पत्र व पत्रिकाएँ पढ़िए और कठिन शब्दों को बोलने-लिखने का अभ्यास कीजिए।

Tanuj

Deep

Nayab

Rachna

Suhajaini

Aradhna