

ITBP Public School, Dwarka
Holiday Homework
Summer Vacations (2022-23)
Class 7



Subjects	Homework
English	<p>A. "Creativity is the expression of mind"</p> <ol style="list-style-type: none">1. Make a beautiful bookmark for your Literature Reader. Decorate it and write an inspirational quotation which inspires you. Get the bookmark laminated.2. Draw a cartooning on chapter ' Golu Grows a Nose' from your Book An alien Hand. (Note: Cartooning to be done on a chart paper or Scrap book) <p>B. "Handwriting is more connected to the movement of the heart"- Natalie Goldberg (Note: Handwriting to be done in Grammar Notebook)</p> <ol style="list-style-type: none">3. Write following poems in beautiful handwriting - Cursive or Print Style ' * The Shed * The Rebel4. Write a story based on the theme ' Honesty is the Best Policy'5. Write a story based on the theme ' As You Sow, so Shall You Reap" <p>C. "Reading is dreaming with open eyes"</p> <ol style="list-style-type: none">6. Read any novel of your choice.7. Read the newspaper daily.
Hindi	<ul style="list-style-type: none">• "कविता" मन के भावों को प्रस्तुत करने की एक सुन्दर विधा है। निम्नलिखित में से किसी एक विषय पर 10 पंक्तियों की एक स्वरचित कविता लिखें :- i. माँ

ii. नदियाँ

ii. प्रकृति

- पाँच सुविचार सुंदर तरीके से रंगीन A-4 साइज़ शीट में लिखें एवं उन्हें याद भी करें।
- अपनी पूरक पुस्तिका 'बाल महाभारत' के पात्रों-भीष्म पितामह, अर्जुन, भीम, द्रौपदी, कृष्ण एवं दुर्योधन के बारे में पाँच-पाँच वाक्य लिखें। (रंगीन A-4 साइज़ शीट में करें।)
- नाना -नानी या दादा - दादी के जन्म दिवस हेतु एक सुन्दर कार्ड बनाकर उसमें उनके लिए कविता की स्वरचित पंक्तियाँ लिखिए अथवा कार्ड में उनके लिए अपनी भावनाएँ लिखिए।
- अपने बड़ों के साथ समय बिताएँ और अपने शब्दों में कक्षा में बताइए कि आपको कैसा लगा व आपने क्या सीखा ?
- घर में उपलब्ध समाचार पत्र एवं पत्रिकाओं को पढ़कर पठन कौशल का अभ्यास करें।
- पाठ्यपुस्तक वसंत भाग-2 के गद्य एवं पद्य भाग के दो-दो पाठों को ध्यानपूर्वक पढ़कर प्रत्येक पाठ के पाँच-पाँच बोधात्मक प्रश्न लिखकर उनके उत्तर दीजिए। (ग्रीष्मावकाश कार्य उत्तरपुस्तिका में करें।)
- दिए गए शब्दों के दो-दो पर्यायवाची ढूँढ़कर अपनी व्याकरण की उत्तर पुस्तिका में करें :-
अश्व , अमृत , चतुर , बाण, असुर , झंडा , रास्ता , गर्व , हिमालय , विष्णु, नदी , कृष्ण , आभूषण , गंगा , पक्षी।
- दिए गए शब्दों के विलोम शब्द ढूँढ़कर अपनी व्याकरण की उत्तर पुस्तिका में करें :-
अंधकार, अनुकूल, आरंभ, नवीन, न्याय, उपकार, उदास, अप्रिय, आदर, निंदा, पवित्र, मानव, मीठा, सगुण, सजीव।
- मुहावरों के अर्थ लिखकर उनके दो -दो वाक्य अपनी व्याकरण की उत्तर पुस्तिका में लिखें :-
कान पकना ,लोहा लेना ,कमर कसना ,आँखों में धूल झोंकना ,घोड़े बेचकर सोना ,छक्के छुड़ाना, कफ़न सिर पर बाँधना ,कुआँ खोदना , गुड़-गोबर करना ,छठी का दूध याद आना।
- हिंदी लेखन अभ्यास एवं सुधार हेतु ग्रीष्मावकाश कार्य उत्तरपुस्तिका लगाएँ एवं उसमें 15 पेज सुलेख कार्य करें।

❖ सारा ग्रीष्मावकाश कार्य आकर्षक ,सृजनात्मक और कलात्मक होना चाहिए। कार्य को आकर्षक बनाने के लिए आप भिन्न-भिन्न रंगों और चित्रों और रंगीन कागज का प्रयोग कर सकते हैं। सारा कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा जाएगा।

- पाठ्यक्रम में पढ़ाए गए पाठों एवं करवाए गए कार्य की पुनरावृत्ति एवं अभ्यास पुनः करें तथा उन्हें परीक्षा एक हेतु तैयार करें।

Maths

Summer is here and with it come your amazing holidays! But what's a holiday without some homework? So, Do your homework and be a hero this summer!

General Guidelines for Students:

- Solve the worksheets in A-4 size ruled sheets.
- Use black and blue pens to write the questions and answers respectively.
- Do your work neat and clean.
- Complete your notebook work, Ch 1 and 3, Revise them also.

Let's Explore The Real World.

What to do :- Help your mother to purchase groceries from a nearby Grocery Shop. Purchase a few items from there and paste the bill received. Verify the bill amount by doing the manual calculations. Click photos of your visit and also paste them.

Where to do :- A-4 Size sheets.

Parameters: Neatness, Presentation.

Mathematical Greetings:

What to do :- Make a colorful greeting card of size 15cm × 12cm on the following topic according to your roll number and decorate it with Sikkim thangkas art.

Roll No. 1-19 - Properties of Integers.

Roll No. 20-40 - Different types of fractions.

Where to do: - Paste in your Math notebook

Parameters: Neatness, Accuracy, Presentation.

Worksheet – 1 Chapter – 1 (Integers)

1. Write down a pair of integers whose
(a) Sum is -4 (b) difference is -3
(c) sum is 5 (d) sum is 0
2. By suitable groupings evaluate the following:
(a) $-17 + (-83 = 127)$ (b) $(-96 + 529) + (-4)$
3. What should be added to -936 to obtain -543?
4. Write down the additive inverse of -546.
5. Simplify the following:
(a) $(-7) \times (-4) \times 10$ (b) $(-18) \times (-10) \times (-2) \times 3$
(c) $(-5 + 4) \times 48$
6. Evaluate using convenient grouping:
(a) $(-4) \times 53 \times 50$ (b) $(-4) \times 63 \times 25 \times (-3)$
7. Simplify using suitable property:
(a) $(-9) \times 42 + (-9) \times 8$ (b) $13 \times (-63) + (-3) \times (-63)$
(c) $(99) \times (-28) + (-28)$ (d) -12×98
(e) $-11 \times (30 + 2)$
8. What should be divided by -12 to obtain -15?
9. By what number should -192 be divided to obtain -24?

10. A shopkeeper earns a profit of Rs 3 per pen sold and a loss of Rs 1 per pencil sold.

(a) The shopkeeper sells 52 pens and 23 pencils in a day. What is his profit or loss?

(b) What is the number of pens he must sell so as to have neither profit nor loss if the number of pencils sold are 102?

Worksheet – 2

Chapter – 3 (Data Handling)

1. The daily sale of sugar in kg for a particular week in a co-operative store is given below:

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
75	120	30	50	70	42	82

Find the mean sale of sugar for the week.

2. Find the mean of

(a) First five natural numbers.

(b) first five odd numbers

(c) first six even natural numbers

(d) first ten prime numbers.

3. A golfer returned with following scores in 3 successive games on the same course:

85 81 81 83 84 78 87 79 82 83

80 82 81 79 84 85 81 79 80 81

85 83 80 82 80 81 83 82

(a) Make a frequency table of these scores.

(b) Find the range of the data.

(c) Find the mean score.

4. Find the median of the following data:

(a) 52, 41, 22, 62, 81, 71, 60, 92, 91, 40, 31

(b) 111, 219, 341, 118, 201, 215, 107, 216, 112

(c) 502, 701, 311, 417, 315, 214, 417, 517, 619, 418, 312

5. Construct a frequency distribution table for the following data and hence determine its mode:

(a) 12, 3, 18, 7, 9, 3, 19, 3, 15, 8, 17, 2, 3, 11, 3, 7, 5

(b) 40, 28, 23, 19, 56, 63, 23, 12, 40, 19, 45, 23, 28, 23

6. Following data represents 90% and more marks scored in Maths by students of class VII of various sections:

Sections	A	B	C	D	E	F
Number of Students	15	9	19	23	17	13

Represent above data in the form of a graph.

7. Following data represents the sale of Books sold per day by a store in a week,

Day	Sun	Mon	Tue	Wed	Thur	Fri	Sat
Number of books sold	26	77	63	52	43	85	96

- (a) Draw a bar graph.
 (b) What is the minimum number of books sold? Also specify the day.
 (c) How many books were sold on Thursday?
 (d) On which day maximum number of books were sold?
8. Draw a bar graph, by collecting the birthday month of your family members.
9. Following are the marks scored by Manisha (out of 50) in various subjects in two terms:

Subjects	Maths	English	Science	S. Sc.	Hindi
Term 1	42	38	43	35	42
Term 2	48	39	35	32	45

- (a) Draw a double bar graph choosing an appropriate scale.
 (b) In which subjects have more marks in 2nd term than in the 1st term.
 (c) What is the difference between the marks of two terms for science?
10. In a mind game, a box contains 10 slips each marked with numbers 1 to 10. One student took a slip at random. What is the probability that the number shown on the slip drawn is:
- (a) 7
 (b) an even number
 (c) an odd number
 (d) A prime number
 (e) a number less than 7
 (f) a number greater than 10

Science

GENERAL INSTRUCTIONS-
THERE ARE FOUR PARTS OF SCIENCE HOME-WORK.
-ATTEMPT PART A , B AND C IN SCIENCE NOTEBOOK.
-ATTEMPT PART D ON A4 SIZE SHEET.

A-Attempt these two assignments given below in your Science notebook.
 It is compulsory to write questions.

CHAPTER-1 NUTRITION IN PLANTS

Q1- MCQ(S)

- (a) The chlorophyll traps the solar energy and converts it into this energy
 (i) Mechanical (ii) chemical (iii) magnetic (iv) electrical
 (b) Which of these is not necessary for photosynthesis
 (i) Carbon dioxide (ii) water (iii) oxygen (iv) sunlight

- (c) Which of the following is a saprotroph?
 (i) Rose (ii) Coral (iii) Neem (iv) Mango
- (d) In the absence of photosynthesis, there would be no _____ on the earth.
 (i) plants (ii) animals (iii) living organisms (iv) air
- (e) Which of the following is not a heterotroph?
 (iii) Indian pipe (ii) coral root (iii) neem (iv) both (a) and (b)
- (f) Rhizobium bacteria live in the root nodules of _____ plants?
 (iv) Rose (ii) coral (iii) neem (iv) mango
- (g) Plants store food as _____
 (v) cellulose (ii) sugar (iii) glucose (iv) starch
- (h) Which of the following is an insectivorous plant?
 (vi) Cuscuta (ii) Drosera (iii) mistletoe (iv) lichen
- (i) The mode of nutrition shown by cuscuta is _____
 (vii) parasitic (ii) symbiotic (iii) saprophytic (iv) autotrophic

Q2 Fill in the blanks:

1. Rhizobium bacteria provide _____ to the leguminous plants
2. Green plants make their food by the process of _____
3. Stomata are surrounded by _____ cells
4. Plants have _____ mode of nutrition.

Q3 VERY SHORT ANSWER QUESTIONS

1. Name any two heterotrophs.
2. Name any two insectivorous plants.
3. Name the pores through which leaves exchange gases.
4. What are the two main modes of nutrition in plants?
5. Name the scientist who coined the term photosynthesis.

Q4 SHORT ANSWER QUESTIONS

1. Why is mistletoe called a partial parasite?
2. Why do some plants eat insects?
3. What is an autotrophic mode of nutrition?
4. What is a saprotrophic mode of nutrition?

Q5 LONG ANSWER QUESTIONS

1. How do Rhizobium bacteria and leguminous plants help each other in survival?
2. Discuss any two types of heterotrophic nutrition in plants.

Q6 HOTS

1. Meeta discovered a new plant species that is non-green and is found on the green plants. What would you classify it as – a parasite or an insectivorous plant? Why?

CHAPTER -2

NUTRITION IN ANIMALS

Q1- MCQ(S)

- (a) The walls of the intestine absorb _____
 (i) water (ii) digested food (iii) undigested food (iv) cellulose
- (b) Bile juice is produced by
 (i) pancreas (ii) gall bladder (iii) liver (iv) stomach
- (c) Compound stomach is found in _____
 (i) humans (ii) lion (iii) cow (iv) all of these

	<p>(d)When a few drops of iodine solution are added to a boiled potato it turns (i)green (ii) yellow (iii) blue (iv) blue-black</p> <p>Q2 VERY SHORT ANSWER QUESTIONS</p> <ol style="list-style-type: none"> 1. Name the four chambers found in the stomach of ruminants. 2. Name the various steps of animal nutrition. 3. What happens to the undigested food in the body? 4. What are ruminants? 5. What are the functions performed by the tongue? <p>Q3 SHORT ANSWER QUESTIONS</p> <ol style="list-style-type: none"> 5. Draw a well labeled diagram to show the movement of the food in the oesophagus. Write the function of oesophagus. 6. What is peristalsis? 7. Which part of the alimentary canal is involved in (a) Chewing of food (b) killing of bacteria (c) absorption of food (d) formation of faeces <p>Q4 LONG ANSWER QUESTIONS</p> <ol style="list-style-type: none"> 1. Describe briefly, how digestion and absorption take place in Amoeba. 2. If a piece of chapatti is chewed for sometimes, it tastes sweeter. Why? <p>Q5 HOTS</p> <ol style="list-style-type: none"> 2. 'A' got her gall bladder removed surgically as she was diagnosed with stones in her gall bladder. After the surgery she faced problems in digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why? B- Find out about Indian Science Magazines. Write a review on your favorite magazine.(Word limit- 200) <p>C- Visit any science museum or National Science Centre with your family and make a detailed report on your observations and learnings from there.</p> <p>D- SCIENCE RANGOLI- To draw a rangoli on a A4 size sheet portraying any Scientific concept through it.</p>
<p>S.Sc.</p>	<ol style="list-style-type: none"> 1. List the following monuments which have the following rock minerals. <ul style="list-style-type: none"> • Red sandstone • Marble (Write a short note on any two monuments in your geography notebook.) 1. Make a clay model of the interior of the earth. 2. Students will collect information regarding programs by government to ensure the equality in India. Write in brief about any two programs in your civics notebook. 3. Locate and label the following kingdoms of early medieval period on a physical map of India. <ul style="list-style-type: none"> Rshtrakutas cholas palas Chahaman chalukya pallavas

<p>Sanskrit</p>	<p>सर्वनाम शब्द एतत् (यह) के पुल्लिङ्ग , स्त्रीलिङ्ग , नपुंसकलिङ्ग के सातों विभक्तियों में रूप लिखें ।</p> <p>सर्वनाम शब्द तत् (वह) के पुल्लिङ्ग , स्त्रीलिङ्ग , नपुंसकलिङ्ग के सातों विभक्तियों में रूप लिखें ।</p> <p>सर्वनाम शब्द किम् (कौन) के पुल्लिङ्ग , स्त्रीलिङ्ग , नपुंसकलिङ्ग के सातों विभक्तियों में रूप लिखें ।</p> <p>नारी , जननी , भगिनी , पुत्री ईकारान्त स्त्रीलिङ्ग शब्दों के शब्द रूप लिखें ।</p> <p>हस , चल , खेल , खाद , धाव , रक्ष , पूज , कूर्द , पत , भ्रम , लिख , गम (गच्छ) , पठ व क्रीड धातुओं के लट लकार (वर्तमानकाल) , लृट लकार (भविष्यकाल) , लङ्गलकार (भूतकाल) के रूप लिखें । (सभी धातुओं के अलग- अलग)</p> <p>मासों (महीनों) के नाम संस्कृत में लिखें ।</p>
<p>Computer</p>	<ol style="list-style-type: none"> 1. Revision all topic which covered in class. 2. Make list of all available secondary memory with their size and speed. 3. Write short notes on VIRUS and its type 4. Write difference between CD and DVD 5. Make list of 20 browsers and 20 search engine with image. 6. Write difference between Hackers and Crackers. 7. Write difference between Firewall and Antivirus
<p>Arts</p>	<p>CLASS - 7th Activity name - Lippan Art</p> <p>MATERIAL TO BE REQUIRED</p> <ul style="list-style-type: none"> *ivory sheet *Acrylic colours or poster colour *plywood *Fevicryl mould kit *fevicol *scissors *Mirrors



Link

<https://youtu.be/DFAggQ0W- E>

*Do page no 9,10,12,18,19,20,21 in Art book.

Draw one sketch everyday on an A4 sheet or rough notebook.

* Do colouring practice on an A4 sheet or rough notebook.

GK/Moral Values

1. Complete unit 2, 3 and 4 in your GK Book (page no 8 -16).
2. Write about 5 Great Indian Scientist in your GK notebook. Write about their contribution, and their famous quotation. One page for one Scientist. Paste their picture as well. (take hint from page no. 15 of GK book)
3. Write 15 scientific instruments and their uses (take hint from page no 16 of GK book). Do in GK notebook.
4. Write 10 Indian famous authors and their books. Do in GK notebook.

Music

1. Make one Poster (sheet - A3 size) or A model Related to Music.
2. Write and Learn National Anthem and National Song in correct pronunciation (In music notebook).
3. Write an introduction of One Indian classical Singer and Indian Classical Dancer in your Music Notebook. Write about his/her full name DOB, Achievements and Performances etc.
4. Write any One Non- Filmy PATRIOTIC SONG in your music notebook.

Sports

- All the work must be done in one (colourful) scrapbook.
1. Write about your favorite player and paste pictures.
 2. Write about your favorite sports person and paste pictures.
 3. Get up early in the morning and practice some yoga poses and do some outdoor activities like..... biking, swimming, running, jump rope etc...
 4. Eat healthy and stay healthy.