



DAV POLICE PUBLIC SCHOOL,  
POLICE LINES NARNAUL



# SUMMER VACATION

**CLASS - VIII**






# HOLIDAY

# HOMework

**Keep your child's brain active over break  
without let them knowing they're doing  
"Homework"**

Ms. Manju Malhotra  
Principal



Dear Parents,

Summer vacation are starting from 1 June 2021 to 30 June 2021 and school will reopen on 1 July 2021. During the summer vacation try to spend quality time with your children. Please remember that

**STORMS DON'T LAST FOREVER, THIS TOO SHALL PASS.**

In this summer vacation, we have planned some holiday homework such as activities, worksheets, and many more for children to enhance his/her learning skills in a fun filled way and to ensure that they will continue the learning process within the security of their homes. Please make sure that your child keeps in touch with reading, writing and practicing school work.

### **IMPORTANT TIPS FOR PARENTS AND STUDENTS**

- **It's SUMMER TIME again. Time for strengthening family bond, tying threads of family tree, sharing joys and sorrows, having a good time together. Do shower your love and care on people you meet and get loads of blessings in return.**
- **Follow a routine.**
- **Start your day with yoga and exercises.**
- **Eat healthy and nutritious food.**
- **Help your family in household work.**
- **Enjoy indoor games.**
- **Take good care of your health and hygiene. Avoid heavy and oily food and increase intake of fresh fruits and water to keep yourself well hydrated and energetic.**
- **Use Holiday Homework as an opportunity to spend quality time together. Let your child take the lead and use his/ her imagination, creativity and knowledge to do the assigned task. The role of the parent is to be a facilitator and guide to steer the child in the right direction. He/ She will find his own destination. Original work of students will receive greater recognition and appreciation.**

**This way, you can make vacation more interesting and meaningful. We are certain that you will cooperate with us always in endeavour. I thank you all for your support.**

**STAY HEALTHY STAY SAFE.**

**Ms. Manju Malhotra**

**Principal**

**D.A.V. Police Public School Narnaul**

## Note:

- Make your ward complete the holiday homework as marks will be assigned for that.
- UT-1 Test postponed due to summer break will be conducted in the month of July. Kindly make your ward revise the syllabus and prepare well.
- Holiday's homework is also available at school's website. [www.davppsnnl.in](http://www.davppsnnl.in)  
Parents can download holiday's homework from there also.

## English

1. Write 10 pages of Calligraphy in fair notebook .
2. Note down 10 new words and frame sentences using them in your fair notebook.
3. Imagine yourself as a Doctor and write a diary entry expressing your feelings of curing patients during COVID-19.
4. Prepare an Poster on 'E - Hobby Classes during Summer Break ' and decorate it beautifully.

Complete the work done till 31 May 2021 and revise it

## विषय- हिंदी

1. दस सुलेख लिखो।
2. आपके सुबह उठने के बाद से रात को सोने तक की एक दिन की दैनिक गतिविधियों के नाम को हिंदी की वर्तनी में लिखो। और उनमें से जो तीन गतिविधियाँ आपको सबसे ज़रूरी लगती है उनके चित्र भी बनाओ।
3. आप कोरोना जैसी महामारी में अपने घर के अंदर रहकर किस प्रकार अपनी ग्रीष्मकालीन छुट्टियों को आनंदपूर्वक व्यतीत कर सकते हैं। इस बारे में बताते हुए 70 शब्दों में एक अनुच्छेद लिखिए।
4. पाठ1-4(ज्ञान सागर, अभ्यास सागर ) पूर्ण दोहराओ और अपना बचा हुआ कार्य पूरा करो।

## MATHEMATICS

‘The best way to learn mathematics is to do mathematics.’ - Paul Halmos

Its time for your summer vacations..... It’s time for enjoyment but do remember that your study must not go for any vacation. So keep in touch of your studies also. And must complete your holidays homework.

### Instructions:

- Make a scrapbook the cover page of which should be designed using geometrical shapes.
- Complete your work with neat and legible handwriting.
- Do complete your fair notebook upto Chapter-2 and chap-4 ( Page No. 1 to 36 and 51 to 67 )

(A) General Instructions:

- Practice Chapter - 1, 2 and 4

(B) Prepare a dictionary of 15 key words from the following chapters:

- a) Square and square root
- b) cube and cube root

(C) Make a paper foldable related to Chapter- 4 : – Direct and inverse variation

(D) Make a short Formula Notebook with 1 to 25 square and square roots and cube and cube roots. ( Use A4 or A3 size pastel sheet )

(E) Do the assignment in fair notebook.

### ASSIGNMENT-1

Q1) How many non squares numbers lie between  $102^2$  and  $103^2$

Q2) Check if (5, 12, 13) is a pythagorean triplet or not? Verify also.

Q3) Write a Pythagorean triplet whose one member is 16

Q4) Find the least number which must be subtracted from 1255 to make it a perfect square? Also find square root of the perfect square obtained

Q5) Find greatest number of 4 digits which is a perfect square.

Q6) Find square root of 7 correct upto 3 decimal places.

Q7) A general wishing to draw his 64029 men in the form a square found that he had 20 men extra. Find the number of men in the front row.

Q8) What is the smallest number by which 8640 must be divided so that quotient is a perfect cube

Q9) Find the value of:  $\sqrt[3]{216} \times (-125)$

Q10) Divide the number 26244 by the smallest number so that the quotient is a perfect cube. Also, find the cube root of the quotient.

- Q11) Difference of two perfect cubes is 189. If the cube root of the smaller of the two numbers is 3, find the cube root of the larger number.
- Q12) Three numbers are in the ratio 2:3:4. The sum of their cubes is 0.334125. Find the numbers.
- Q13) Find the cube root of 5832 through estimation.
- Q14) A train 280 metre long is running at a speed of 42 km/hr. how much time will it take to pass a man standing on a platform?
- Q15) If 52 men can do a piece of work in 35 days. In how many days will 28 men complete the same work?
- Q16) Oranges cost Rs. 54 for three dozens in the super market. What is the cost of eight oranges?

### ASSIGNMENT-2

- Q1 Find the value  $\sqrt{176} + \sqrt{2401}$ .
- Q2 Write a Pythagorean triplet whose smallest number is 6.
- Q3 Find the smallest perfect square divisible by 34, 5 and 6.
- Q4 The area of a rectangular field whose length is twice its breadth is 2450 square metre. Find the perimeter of the field.
- Q5 Find the greatest number of five digits which is a perfect square.
- Q6 Find the least number that should be added to 6200 to make it a perfect square also find the square root of the resulting number.
- Q7 Evaluate  $(1+3+5+7+9) (32+42+122)$
- Q8 Find the square root of 351 correct to 3 decimal places.
- Q9 Evaluate  $\sqrt{0.2304} + \sqrt{0.1764} \quad \sqrt{0.2304} - \sqrt{0.1764}$
- Q10 The product of 2 numbers is 1296. If one number is 16 times the other, find the numbers.

## **SCIENCE**

➤ Chapter - Force and Pressure

[This work has to be done in Notebook]

- Define the following terms and give examples of each type of force:
  - Gravitational force
  - Frictional force
- A dropper is kept in a beaker of water. When we press its bulb, the bubbles of air escape into water on releasing the bulb, water enters the dropper. The flow of water into the dropper is due to:
  - Pressure of air
  - Pressure of water
  - Gravitational pull of Earth
  - Shape of rubber bulb
- What do you mean by net or resultant force? Find net force when two forces of magnitude 10N and 5N, act on a body in the same direction. Will the net force' direction changes when the forces act in the opposite direction?
- How can you get maximum pressure with a minimum force? Name two appliances based on this fact.
- Give two points off difference between the pressure exerted by solids and liquids.
- In case of a load suspended from a spring while its other end is on a hook fixed to a wall. Identify the agent exerting the force and the object on which it acts. Also state the effect of the force.
- Two forces F1 and F2 act on a body in opposite directions and if the body moves in direction of F1, then what can you conclude about the magnitude of F1 and F2?
- Pressure at a certain depth h1 in a river is P1 and at another depth h2 (<h1) is P2. What do you conclude about the magnitude of P1 and P2?
- Why don't we get crushed under the weight of the atmosphere?
- Observe air bubble formed at the bottom of a glass filled with cold drink. What happens to its side as it reaches the surface. Explain.

➤ **Chapter – Cell and Microorganism**

**[This work has to be done in Notebook]**

<b>L-1(Cell- Its Structure and function)</b>	<b>L-2(Microorganism-Friends or Foe)</b>
<ul style="list-style-type: none"> <li>• Cell and its discovery</li> <li>• The Cell-Variation in cell number, shape and size in living organisms</li> <li>• Parts of cell</li> <li>• Levels of organization in an organism</li> <li>• Comparison between plant and animal cell</li> <li>• Diagrams of plant cell, Animal Cell</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Types of micro organism</li> <li>• Viruses are unique</li> <li>• Where do microorganism live?</li> <li>• Role of microorganism in our life</li> <li>• Microorganism –The foes</li> <li>• Food poisoning</li> <li>• Food preservation</li> </ul>

**Tick the correct option of the following.**

- The longest cell in the human body is  
 (a) Blood Cell (b) Muscle Cell (c) Liver Cell (d) Nerve Cell

2. Which of these cell will have cell wall around them?  
(a) Cheek Cells (b) Nerve Cell (c) Onion Cell (d) Blood Cell

3. Which of these is the smallest cell?

(a) RBC (b) Neuron (c) Mycoplasma (d) Egg

4. What is the function of ribosome?

(a) Cellular respiration (b) Protein synthesis (c) Lipid synthesis (d) Cell division

5. Malaria is caused by which of these?

(a) Bacteria (b) Virus (c) Fungi (d) Protozoa

6. Which of the diseases can be spread by a dog's bite?

(a) Tetanus (b) Rabies (c) Dengue (d) Chikungunya

### Short answer type questions.

1. Define cell.

2. What is a multicellular organism?

3. Mitochondria are also known as powerhouse of the cell. Why?

4. Name the organelle responsible for imparting green color to the plants? What is its function?

5. What are the antibiotics? How are they produce?

6. How does 'freezing' preserve food?

7. Define microorganisms.

### PROJECTS:

1. Make a list of food items which can be preserved by drying in the sun.

2. Take wool of different colors, some beads and a chart paper. Make a model of animal cell with these materials.

## Social science

1. Find out the causes of water pollution in rivers and highlight it through a chart or PPT.

2. Collect the popular slogans used during the freedom struggle of India and write them on placards .

3. Learn all the States and Union Territories of India with their capitals.

4. Learn and revise the syllabus done.

5. Complete your work done till the 31 May 2021

## संस्कृत

1. अकारांत शब्द रूप (राम, बालक)

2. धातुरूपाणाम् (पठ्, लिख्) तीनों लकार लट्, लृट्, लङ्।

3. संस्कृत संख्या (1-50)

4. अपनी इच्छानुसार कोई भी एक गतिविधि।

उपर्युक्त कार्य संस्कृत की नोटबुक में लिखें और याद करें।



## COMPUTER

1. Revise chapter 1
2. Complete your work done till 31 May 2021.
3. Create a Power Point Presentation (ppt) or video impress on the topic "Network Transmission Cable".

## G.K.

Q.1 What is your name?

Ans. My name is\_\_\_\_\_.

Q.2 What is your Father's name?

Ans. My Father's name is Mr\_\_\_\_\_.

Q.3 What is your Mother's name?

Ans. My Mother's name is Mrs\_\_\_\_\_.

Q.4 How many members do you have in your family?

Ans. I have \_\_\_\_members in my family.

Q.5 How old are you?

Ans. I am \_\_\_\_\_years old.

Q.6 Where do you live?

Ans. I live in Narnaul.

Q.7 In which class do you study?

Ans. I study in class\_\_\_\_\_.

Q.8 In which school do you study?

Ans. I study in D.A.V Police Public School, Police Lines Narnaul.

Q.9 Who is your class teacher?

Ans. Mrs. \_\_\_\_\_ is my class teacher .

Q.10 What is the name of your Principal?

Ans. My Principal's name is Mrs Manju Malhotra.

Q.11 What does your Father do ?

Ans. My Father is a \_\_\_\_\_.

Q.12 What does your mother do?

Ans. My Mother is a \_\_\_\_\_.

Q.13 How many siblings do you have ?

Ans. I have \_\_\_\_\_ siblings.

Q.14 What is the name of our National Fruit ?

Ans. The name of our National fruit is Mango.

Q.15 What is the name of our National Bird?

Ans. The name of our National Bird is Peacock.

Q.16 What is the name of our National Flower?

Ans. The name of our National Flower is Lotus.

Q.17 What is the name of our National Animal?

Ans. The name of our National Animal is Tiger.

Q.18 What is the name of our National Anthem?

Ans. The name of our National Anthem is Jana, Gana, Mana .

Q.19. How many sense organs do we have ?

Ans. We have five sense organs.

Q.20 How does eyes help us ?

Ans. Eyes help us to see.

Q.21 How are you ?

Ans. I am fine .Thank you.

Q.22 In which Country do you live?

Ans. I live in India.

Q.23 What is the Capital of India?

Ans. New Delhi is the Capital of India.

Q.24 How many states are there in India?

Ans. There are 28 states in India .

Q.25 In which state do you live?

Ans. I live in Haryana.

Q.26 What is the capital of Haryana ?

Ans. Chandigarh is the capital of Haryana and Punjab also.

Q.27 Which city is known as the Pink city?

Ans. Jaipur is known as the Pink city.

Q.28 On which day India got independence ?

Ans. India got independence on 15 August 1947.

Q.29 On which day India became a Republic?

Ans. India became a Republic on 26 January 1950.

Q.30 Who was the First Prime Minister of India?

Ans. Pandit Jawahar Lal Nehru was the first Prime Minister of India.

Q.31 How many continents are there in the world?

Ans. There are 7 continents in the world.

Q.32 How many oceans are there in the World?

Ans. There are 5 oceans in the World.

Q.33 Which is the largest ocean in the world ?

Ans. Pacific Ocean is the largest ocean in the world.

Q.34 Which is the smallest ocean in the world?

Ans. Arctic Ocean is the smallest ocean in the world.

Q.35 Which ocean is also a name of a country?

Ans. Indian ocean is also the name of a country .

Q.36 Which is the smallest country in the world?

Ans. Vatican City is the smallest country in the world.

Q.37 Who invented Radio?

Ans. G. Marconi invented Radio.

Q.38 Which gas is used in fire extinguisher ?

Ans . Carbon is used in fire extinguisher.

Q.39 Which country award the Nobel Prize?

Ans. Sweden awards the Nobel Prize.

Q. 40 Who was the First Indian to receive a Nobel Prize?

Ans. Rabindranath Tagore was the First Indian to receive the Nobel Prize.

Q.41 Who is the current Prime Minister of India?

Ans. Mr. Narendra Damoder Modi is the Prime Minister of India.

Q.42 What is the full form of WHO ?

Ans. World Health Organisation.

Q.43 When was International Yoga Day started ?

Ans. International Yoga Day was started on 21 June 2015.

Q.44 Which is the only road border between India and Pakistan?

Ans. Wagah border is the only road border between India and Pakistan.

Q.45 Which canal connects 160 countries?

Ans. Panama canal connects 160 countries.

Q.46 Which is the highest civilian award of India?

Ans. Bharat Ratna is the highest civilian award of India.

Q.47 When was International Golf Federation established?

Ans. International Golf Federation was established in 1958 in Switzerland.

Q.48 What is the full form of FIBA?

Ans. Federation of International Basketball Association.

Q.49 What is the full form of COVID ?

Ans. Corona Virus Disease .

Q.50 In which state of India First case of COVID-19 was declared?

Ans. First case of COVID-19 in Indian was declared in Kerala.

Q.51 Who has won the greatest number of Oscars in his life time?

Ans . Walt Disney won the greatest number of Oscars in his life time.

Q.52 Which is the last surviving tribes in Andaman and Nicobar Islands?

Ans . The Jarwa are one of the last surviving tribes in Andaman and Nicobar Islands.

Q.53 Which is the largest Glacier of the world ?

Ans. The largest Glacier of the world is Lambert Fisher.

Q. 54 Which island countries lie in Indian Ocean ?

Ans. Maldives and Sri Lanka are the island countries that lie in Indian ocean.

Q. 55 What is the name of a park on Bollywood movie was filmed ?

Ans. Joggers Park in Mumbai is the park on which a Bollywood movie was filmed.

Q. 56 Which is the mountain pass that connects Srinagar with Leh ?

Ans. Zojila pass connects Srinagar with Leh.

Q. 57 Who was the founder of the Roman empire ?

Ans. August was the founder of the Roman empire.

Q. 58 By whom was the oldest surviving Code of Law drawn up ?

Ans. The oldest surviving Code of Law was drawn up by Hammurabi King of Babylon.

Q. 59 Which country had started the first passenger train service ?

Ans. England had started the first passenger train service.

Q. 60 What is the full form of UMTS ?

Ans. Universal Mobile Telecommunications System

**D.S.**

प्रिय अभिभावक, नमस्कार

आप से विनम्र अनुरोध है कि नीचे आपके बच्चे के दैनिकजीवन से जुड़ी कुछ अच्छी आदतें दी गई हैं। क्या आपका बच्चा अपने दैनिक जीवन में इन अच्छी आदतों का अनुसरण करता है। कृपया हाँ/ना में उत्तर दें।

### अच्छी आदतें

1. क्या आपके बच्चे ने सुबह उठकर सबसे पहले अपने बड़ों का अभिवादन किया?
2. क्या आपके बच्चे ने दंतध्वान एवं नित्य क्रिया से निवृत्त होकर ॐ का उच्चारण किया?
3. क्या आपका बच्चा अपने से बड़ों का सम्मान करता है?
4. क्या आपका बच्चा हमेशा सच बोलता है?
5. क्या आपका बच्चा अपना गृहकार्य समय पर पूरा करता है?
6. क्या सभी के साथ आपके बच्चे का व्यवहार अच्छा होता है?
7. आपका बच्चा अपने छोटे से प्यार करता है?
8. आपके बच्चे ने कभी किसी का मज़ाक उड़ाया है?
9. क्या आपका बच्चा ज़रूरत मंद की सहायता करता है?
10. क्या आपका बच्चा मेहनती है?
11. क्या वो हमेशा प्यार से बातें करता है?
12. क्या आपका बच्चा बड़ों के बीच बोलता है?
13. क्या वो दूसरे की वस्तुएँ पूछ कर लेता है?
14. क्या आपका बच्चा दूसरों के ऊपर कॉमेंट्स पास करता है और मज़ाक बनाता है?
15. दूसरे द्वारा आपके बच्चे को कोई वस्तु दिए जाने पर क्या वो उसको धन्यवाद करते हैं?
16. आपका बच्चा अपनी किताबें व्यवस्थित करके रखता है?
17. क्या वह सुबह समय पर उठता है?
18. क्या उसके पढ़ाई करने का समय निश्चित है?
19. क्या वह गलती करने पर माफ़ी माँगता है?
20. क्या वह दूसरों के काम में दखल देता है?
21. क्या वो बाहर की चीज़ें खाना ज़्यादा पसंद करता है?
22. क्या वह अपने से बड़ों की बातें मानता है?
23. क्या वह घर के कामों में अपनी मम्मी की सहायता करता है?

- 24.क्या वह किसी से द्वेष भावना रखता है?
- 25.क्या वह अपने काम के प्रति ईमानदार है?
- 26.क्या वह दिन में दो बार ब्रुश करता है?
- 27.खाना खाने से पहले व खाना खाने के बाद हाथ साबुन से अच्छी प्रकार से धोता है?
- 28.क्या वह अपने नाखूनों को साफ़ रखता है?
- 29.क्या आपका बच्चा सुबह का नाश्ता सही समय पर करता है?
- 30.क्या आप का बच्चा पौष्टिक भोजन करता है?

