# DAV POLICE PUBLIC SCHOOL, PANCHKULA

# CLASS -VIII

# LET'S STICK TO THE SCHEDULE!

5 MINUTES YOGA

30 MINUTES EXERCISE

BRUSH YOUR TEETH IN THE MORNINGAND AT NIGHT

READ 2 PAGES DAILY

LEARN A NEW WORD DAILY

SPEND QUALITY TIME WITH FAMILY

STAY HYDRATED

STUDY HARD WITHOUT ANY DISTRACTIONS

EAT HEALTHY STAY SAFE

ONE MINUTE GRATITUDE PRAYER AT THE END OF THE DAY.

# INDEX

| S.NO. | SUBJECT | PAGE NO. | SUBMISSION DATE |
|-------|---------|----------|-----------------|
| 1. | ENGLISH | 4-5 | 6.07.21 |
| 2. | MATHEMATICS | 5-8 | 8.07.21 |
| 3. | SCIENCE | 8-10 | 9.07.21 |
| 4. | SOCIAL SCIENCE | 10-12 | 12.07.21 |
| 5. | HINDI | 13 | 13.07.21 |
| 6. | SANSKRIT | 13 | 14.07.21 |
| 7. | PANJABI | 13-14 | 15.07.21 |
| 8. | DHARAM SHIKSHA | 14 | 16.07.21 |
| 9. | COMPUTERS | 14-16 | 19.07.21 |
| 10. | ART & CRAFT | 16 | 20.07.21 |
| 11. | MUSIC | 16 | 22.07.21 |

# ENGLISH

## ENGLISH LITERATURE
- Learn and memorize Chapter 4 - Father's help, Poem - My Mother for Unit Test
- Writing skills Notice Writing, Grammar - Tenses, Narration
- Practice unseen comprehension

## BBC COMPACT PRACTICE PAGES

- ### MODULE ONE READING (UNSEEN PASSAGES)
  - ➢ Do Classroom Assignment 3
  - ➢ Do Classroom Assignment 5
  - ➢ Do Homework Assignment 2, 3, 4, 5, 6

- ### MODULE TWO& THREE WRITING I & II (NOTICE, DIARY ENTRY, INFORMAL LETTER)
  - ➢ Do Classroom Assignment 7, 8, 9, 10, 11
  - ➢ Do Classroom Assignment 14 Question 1 & 2
  - ➢ Do Classroom Assignment 20 & 21 Practice Question

- ### MODULE FIVE GRAMMAR - I
  - ➢ Do Classroom Assignment 51 To 62
  - ➢ Do Classroom Assignment 42 To 47

| ENGLISH HOLIDAY HOMEWORK ACTIVITY | |
|---|---|
| **Roll nos.** | **CLASS VIII** |
| **1- 10 31 - 40** | During COVID-19 many different people like Doctors, Police personals etc. have helped all of us. Make a THANK YOU NOTE in the shape of a greeting card.Give your card a colourful look. Keep the following points in mind. How valuable help was? Your feelings of gratitude. |
| **11 - 20 41- 45** | Make at least TWO FLASHCARDS of difficult words written in CAPITAL LETTERS with its SYNONYMS(2 - 3 WORDS) at the back side of it from English Literature Book Chapter 3 (Roll no 11 to 15, 41, 42) and Chapter 6 (Roll no 16 to 20, 43, 44, 45). |

| 21-30 | Make a 3D/Working Chart on the following: a) Form of Verbs (Roll no 21 to 25) b) Tenses (Roll no 26 to 30). |
|---|---|

**NOTE: a) Do two sentences of Hindi to English Translation daily in a separate notebook. b) Write one page of Handwriting daily in a separate notebook.**

# MATHEMATICS

- **Revise Ch-1,2 and 3 thoroughly.**
- **Do VBQ,HOTS and BRAIN TEASERS OF Ch-1,2 and 3 & do worksheets attached in separate notebook.**
- **Make a PPT on any of the chapter from your MATHS book.**

## WORKSHEET-1

**Squares and Square Roots**

**Q.1. State whether the following are true or false:-**

**(i) Numbers ending with 2, 3, 7 or 8 are never perfect square.** { }

**(ii) $\sqrt{0.4} = 0.2$** { }

**(iii) The square of a prime number is prime.** { }

**(iv) The difference of two perfect squares is a perfect square.** { }

**Q.2. Given that $\sqrt{1530169} = 1237$, find the value of**

**(a) $\sqrt{1.530169} + \sqrt{153.0169}$**

**(b) $\sqrt{15301.69} \div \sqrt{1.530169}$**

**Q.3. What number when multiplied by itself will become 83.7225?**

**Q.4. An army General wishing to arrange his men, who were 335250 in**

**number in the form of a square found that there were 9 men left over.**

**How many were there in each row?**

**Q.5.** Find the least square number which is exactly divisible by each of the number 6,9,15 and 20.

**Q.6.** How many natural numbers lie between squares of 99 and 100.

1. The prime factorization method, find which of the following numbers are perfect squares:-
   (i)     576                                    (ii)     4225
2. Express 121 as the sum of 11 odd natural numbers.
3. Find the Pythagorean triplet Using whose smallest member is 12.
4. Find the square root of each of the following numbers by using the method of prime factorization:-
   (i)     11025                                  (ii)     15876
5. Find the smallest number by which 2925 must be divided to obtain a perfect square. Also, find the square root of the perfect square so obtained.
6. The students of a class arranged a picnic. Each student contributed as many rupees as the number of students in the class. If the total contribution is Rs. 1156, find the strength of the class.
7. Find the least square number which is exactly divisible by each of the numbers 6,9,15 and 20.
8. Find square root of following:-
   (i)     17956                (ii)     19600                (iii) 9241
9. Find the least number which must be subtracted from 7581 to obtain a perfect square. Find this perfect square and its square root.
10. Find the least number of four digits which is a perfect square. Also find the square root of the number so obtained.
11. Find the greatest number of five digits which is a perfect square. Also find the square root of the number so obtained.
12. The area of a square field is 60025 sq. metre. A man cycles along its boundary at 18km/h. In how much time will he return to the starting point?
13. Find the square root of the following:-
    (i)     1.0816                       (iii)     0.2916
    (ii)     625/729

14. Evaluate square root of 3 upto two places of decimal.

15. Find the length of each side of a square whose area is equal to the area of a rectangle of length 13.6 metres and breadth 3.4 metres.

**WORKSHEET-2**

**Cubes And Cube Roots**

**Q.1. Evaluate:**

(i) $3\sqrt{27} + 3\sqrt{0.008} + 3\sqrt{0.064}$ (iii) $3\sqrt{(8 \times 17 \times 17 \times 17)}$

(ii) $3\sqrt{0.1 \times 0.1 \times 0.1 \times 13 \times 13 \times 13}$

**Q.2. Find the side of cube when volume of cube is 3375 cm$^2$**

**Q.3. The surface area of a cube is 216m$^2$.Find the volume of the cube.**

**Q4 By what smallest number should 9000 be divided so that the quotient is a perfect cube. Find the cube root of the quotient.**

**Q.5. What is the smallest number by which 5400 may be multiplied so that**

**the product is a perfect cube and find the cube root of the product.**

**Q.6. Three numbers are in the ratio 1:2:3. The sum of their cubes is 98784.**

**Find numbers.**

**1.** Show that 189 is not a perfect cube.

**2.** Evaluate and find cube of the following numbers:-
   (i)    21                  (ii)    0.8                  (iii)    (1/15)

**3.** Which of the following numbers are perfect cubes? In case a perfect cube, find the number whose cube is the given number.
   (i)    243                 (ii)    5324

**4.** Find the smallest number by which 1323 must be multiplied so that the product is a perfect cube.

**5.** Find the smallest number by which 8788 must be divided so that the quotient is a perfect cube.

**6.** Which of the following are the cubes of even numbers:-
   (i)    216                 (iii)    512
   (ii)   729                 (iv)    3375

**7.** Which of the following are the cubes of odd numbers:-

|  |  |  |  |
|---|---|---|---|
| (iii) | 125 | (iii) | 1728 |
| (iv) | 343 | (iv) | 4096 |

**8.** Evaluate and find the cube root of the following numbers:-
(i)   64                   (iii) 3375
(ii)   -64/343          (iv) 64 x 729

**9.** By what least number should 648 be multiplied to get a perfect cube?
(a)  3                (b)  6                (c)  9                (d)    8

**10.** By what least number should 1536 be divided to get a perfect cube?

(a) 3                (b)  4                (c)  6                (d)    8

# SCIENCE

**A.** Genetic engineering is a branch of science in which micro-organisms are being extensively used. Try to find out the role of micro-organisms in genetic engineering. Explore internet to find out the required information and create a project file including valuable points and pasting related pictures in it.
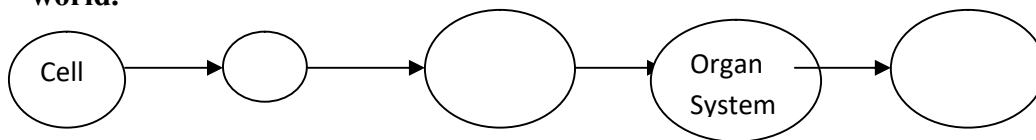
**Worksheet- I (Micro-organisms- Friends and Foes)**

**1.** Complete the given statements
   a) Diseases like _____ and _____ can spread through direct or indirect contact with a patient.
   b) Disease causing microorganisms are known as_____.
   c) Whenever microorganisms invade our body, they multiply inside our body and release _____ called _____ in our body.
   d) _____ identify and destroy disease causing organisms.
   e) A _____ produces immunity to a disease by stimulating the production of_____.
   f) Some bacteria and blue-green algae or cyano bacteria are _____.
   g) Bacteria and fungi are common _____ which help in replenishing the nutrients back to the ecosystem.
   h) _____ are extremely effective in treatment of various microbial infections
   i) _____ and _____ are diseases caused by bacteria in cattle.

2. What is the principle on which all the food preservation methods are based on?
3. I bought a can of pineapple from a store and when I was about consume it I observed that can was puffed. Suggest should I consume the food present in the can? Give reason for your answer.
4. Many microbes cause different diseases in all living organism still we cannot afford delete them from the environment, justify.
5. Name the pandemic which has brought the whole world to stand still since the end of year 2019.
   a) Name the causative organism responsible for it.
   b) What are different modes by which this organism spreads?
   c) What precautions should be taken by people to protect themselves from this pandemic?


**Worksheet –II (The Cell- Its Structure and Function)**

1. Fill in the blanks in a flow chart showing the level of organisation in the living world.
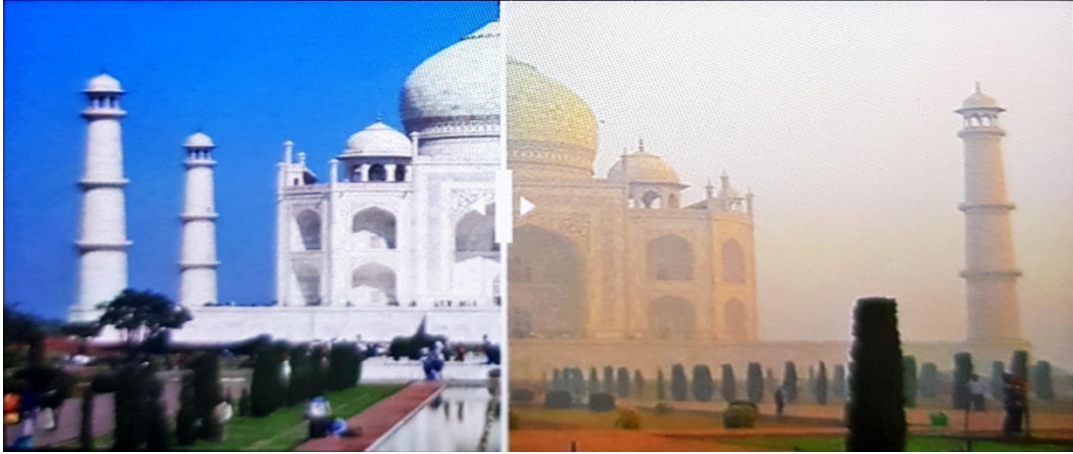


2. Name the extensions of cell membrane that help in locomotion.
3. The large empty space that appears in the cytoplasm of the plant cell is known as _____. State its function also.
4. Complete the given statements
   a) From microscopic bacteria to large organisms like whales or gigantic trees are all made up of _____,_____ of all organism.
   b) On the basis of their number of cells living organisms can be classified into two categories _____ and _____.
   c) _____ possess long fibre like structure.
   d) The smallest cell _____also called _____ is about 0.1 micron in diameter.
   e) The size of cell of green alga, Chara is _____.
   f) The _____ consists of the cytoplasm and the _____.
   g) _____ are structures present within a cell that help it to perform its relevant functions.
   h) The _____ controls the entry and exit of the substances of the substances as per the requirements of cell.

i) When the cell is ready to divide the _____ condenses to form thicker thread like structures called_____.

j) The _____ is plastid associated with different coloured parts of plants.

5. **Define the following terms**
   a) **Cell**
   b) **Tissues**
   c) **Organs**
   d) **Protoplasm**

6. a) _____ : Cell:: Brain: Body

   b) Cell membrane : _____:: Skin : Body

   11. Differentiate plant cell from an animal cell on the basis of shape and organelles present in both the cells.

   12. Identify me
   a) I have double membrane around me and carry on respiration, who am I? _____.

   b) I appear as a large empty space in the cytoplasm of the plant cell, who am I?_____.

   c) I am present on the endoplasmic reticulum and I am responsible for protein synthesis, who am I ?_____

7. **What are plastids? Name the different plastids found in plant cell and state their functions also.**

8. **How is cytoplasm different from nucleoplasm?**

9. **Where do you find the structures responsible for inheritance of characters from one generation to another?**

10. **State one main function of the following organelles**
    a) **Endoplasmic reticulum**
    b) **Golgi complex**
    c) **Cell wall**
    d) **Ribosomes**

B. **Learn and write the name, symbol and atomic number of first 20 elements of periodic table.**

C. **Read chapters- 1 and 2 thoroughly. Also learn question answers of back exercise and given worksheets.**

# SOCIAL SCIENCE

- **Write any 5 ways to reduce the wastage of resources .You can also draw or paste pictures on an A4 size sheet.**
- **Prepare a video acting as a freedom fighter speaking  his/her popular slogan.**

- Look at the picture given below and find out how pollution is the depleting our national monuments.List some ways to protect Our national monuments on an A4 size sheet .Also paste the picture to show the damage caused on monuments by humans.



- If you were in the place of BR Ambedkar while making the constitution what rights and duties would you have written in the constitution. Enlist them in a self made book,make a beautifulcover page of the constitution book. Don't forget to write the Preamble.
- Make a poster on any one of the right given in Indian constitution in your civics notebook.
- Revise ch-16 and ch-17.
- Ask your grandparents to tell you a historical story of a brave ruler.

- **Share ways to how to keep yourself healthy and hygienic with any 10 people.**

# HINDI

प्र1अनुक्रमांक 1 से 10 हमपंछीउन्मुक्तगगनकेपाठपरपी.पी.टीबनाएँ ,अनुक्रमांक 11 से 20 असलधनपाठपरपी.पी.टीबनाएँ,अनुक्रमांक 21 से 30 अच्छेपडोसीकेगुणपाठपरपी.पी.टीबनाएँ |

प्र 2 ज्ञानसागरवअभ्याससागरकेपाठ 1,2,3,6 केप्रश्नोंकोलिखेंवयादकरें |

प्र 3कोई 5  चित्रव्याकरणकॉपीमेंचिपकाइएव25 से30 शब्दोंमेंउनकावर्णनकीजिए।

प्र 4 व्याकरणपुस्तक (गुलमोहर) मेंदिएगएकोई 5 संवादलिखें

प्र 5  व्याकरणपुस्तक (गुलमोहर) मेंदिएगएकोई 3 औपचारिकव 3 अनौपचारिकपत्रलिखें

प्र 6 व्याकरणपुस्तक (गुलमोहर) मेंदिएगए 5 अपठितगद्यांशवउनकेप्रश्नोत्तरभीलिखें |

प्र 6 व्याकरणपुस्तक (गुलमोहर) मेंसेसंज्ञा ,सर्वनाम ,क्रिया ,क्रियाविशेषणभेदसहितव्याकरणउत्तरपुस्तिकामेंलिखेंवयादकरें |

# SANSKRIT

(1) प्रथमःपाठः( सुवचनानि ) श्लोकानिअर्थसहितम्लिखित्वास्मरन्तु –

(2) एतत् , तत्एवम्किम्शब्दनाम्रूपाणित्रिषुलिङ्गेषुलिखन्तुस्मरन्तुच –

(3) अस्मद्एवम्युष्मद्सर्वनामशब्दनाम्रूपाणिलिखन्तुस्मरन्तुच –

(4) भू , पठ् , गम् ,अस्(पञ्चलकारेषु) एवम्सेव्, लभ्( आत्मनेपदी) केवलम्लट्लृट्लकारेषुलिखन्तुस्मरन्तुच–

(5)  कक्षायाम्पठितान्पाठानाम्पुनरावृत्तिकार्यम्कुरु–

# PUNJABI

(1) ਜਿਉਂਦੇ ਰਹਿਣ ਮੇਰੇ ਦੇਸ਼ ਦੇ ਲੋਕ  ਕਵਿਤਾ ਨੂੰ ਯਾਦ ਕਰੋ ।

(2) ਪਾਠ 1 ਜਿਉਂਦੇ ਰਹਿਣ ਮੇਰੇ ਦੇਸ਼ ਦੇ ਲੋਕ  ਤੇ ਪਾਠ 2  ਸਬਰ ਦੀ ਦੌਲਤ ਨੂੰ ਪੂਰਾ ਯਾਦ ਕਰੋ।

(3) ਪਾਠ 3 ਰੁੱਖਾਂ ਦਾ ਰਾਖਾ ਡਾਕਟਰਯਮਾਨੋ ਅਤੇ ਪਾਠ 4 ਗੋਬਿੰਦ ਰਾਏ ਨੂੰ ਪੂਰਾ ਅਭਿਆਸ ਸਾਹਿਤ ਯਾਦ ਕਰੋ ।

(4) ਪਾਠ 1, 2,3 ਅਤੇ 4 ਵਿਚੋਂ  ਕਿਰਿਆ ਸ਼ਬਦ ਚੁਣੋ।

(5) ਭਾਰਤ ਦੇ ਕਿੰਨੇ ਰਾਜ ਹਨ ਤੇ ਹਰੇਕ ਰਾਜ ਦੀ ਕੋਈ ਇੱਕ ਮਸ਼ਹੂਰ ਜਗ੍ਹਾ ਦਾ ਨਾਂ ਲਿਖੋ।

(6)  ਕੀ ਜ਼ਿਆਦਾ ਪੈਸਾ ਸੱਚੀ ਬੰਦੇ ਦੀ ਬੁੱਧੀ ਭ੍ਰਸ਼ਟ ਕਰ ਦਿੰਦਾ ਹੈ, ਕਿਵੇਂ।

(7) ਰੁੱਖਾਂ ਦੀ ਸੰਭਾਲ ਕਿਵੇਂ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ, ਦੱਸੋ।

(8)  ਹੁਣ ਤੱਕ ਜਮਾਤ ਵਿੱਚ ਕਰਵਾਏ ਗਏ ਸਾਰੇ ਕੰਮ ਨੂੰ ਯਾਦ ਕਰੋ

## English

1 Memorize the poem jeonde rehan mere desh de lok chapter 1
2 learn complete chapters jeonde rehan mere desh de lok and sabar di daulat
3 learn chapters rukhan da rakha doctor ymaano and gobind rai with complete back exercises
4 find out twenty verbs from chapters 1 to 4
5 How many states are there in India and write the name of one worth seeing place of each and every state
6 Is money able to destroy the mind of a man? Give answer
7 How can we take care of the trees? Give some suggestions.
8 learn all the work done in class till now and written practice must be done.

# DHARAM SHIKSHA

1.ओम्ध्वजकाचित्र A4शीटपरनारंगीरंगमेंबनाइए।दूसरी A4 शीटपरओम्ध्वजकाअर्थवमहत्वलिखिए।

2.डी०ए०वी०गानकोलिखेंवयादकरें।

3.अनुक्रमांक 1से 20 केछात्र 'ईश्वरस्तुतिप्रार्थनाउपासना' केमंत्रसंख्या 1.2.3.4 तथाअनुक्रमांक 21से 40 तककेछात्रमंत्रसंख्या 5.6.7.8 को Calligraphy लेखनविधिसेलिखें।

# COMPUTER

**Instructions:-**
- ➢ **Take a print out of the holiday homework and do the work.**
- ➢ **Maintain a beautiful decorated folder for holiday homework . It should be labelled properly indicating clearly the name,class and subject.**
- ➢ **The child will be assessed for the neat handwriting and submission of the work on time.**



**1. Draw a block diagram to show different types of network based on geographical area they covered.**

**2. Write the full form of the following protocols:-**
**a) FTP**
**b) TCP/IP**
**c) POP3**

**d)HTTP**

**3. Do Fill in the blanks and question answers of Ch-1 Networking Concepts in the Computer Science notebook.**

**4. Make an informative Power Point Presentation on basic networking concepts. Collect information about various devices and components that are used for setting up the network , and about the types of network.**

**5. Read Chapter -2 carefully and make ten MCQs and write it on Computer Science notebook.**

**6. Paste the LOGO of any three operating system with their name used in Computers/Laptops.**

**7. Write a program to display your name at the bottom of right corner of the page and 'HTML' at the centre of the page.**

**Mail the activity on the Email ID :- [preetikaherdavpps@gmail.com](mailto:preetikaherdavpps@gmail.com)**
**Subject of the mail should be your name, class & Section (e.g Your name, 8 A)**

# ART AND CRAFT

**Step by Step Book ( Page no.  42 to 50 )**
**Craft Work- Shagun Envelope, Paper Bags ( one each )**

# MUSIC

**You have to complete one of the following either A OR B**

A) **Make a Video singing a Patriotic Song / Inspirational Song**
   **Instructions-**
   - **A Dignified Song must be chosen.**
   - **The Song Chosen must be well prepared and rehearsed.**
   - **The Video must be prepared with your best dressing; you may choose dress according to the theme of the song.**
   - **You have to Tell Your Name, Class & School in the video.**
   - **Shoot the video in well lit Conditions, without Background Noise.**

**OR**

B) **Make a Power Point Presentation from one the following topics:**

   - **Music and Religion**
   - **Music and Cinema**
   - **Music and Electronic Media**
   - **Devotional aspects in Music**

- **Inter – relationship of Arts (Music- Dance or Theatre or Visual Arts)**

**Instructions-**
**The PPT must have minimum 12 Slides (Excluding Cover Page & Thank you)**