

DAV POLICE PUBLIC SCHOOL, JHAJJAR

SUMMER HOLIDAYS HOMEWORK (2025-26)

CLASS - VII

“Tell me and I forget, teach me and I may remember, involve me and I learn”-Benjamin Franklin

Greetings!

Dear Parents,

We wish you and your child a very happy summer holidays. It's time to enjoy and create a bond with family, friends and relatives. To utilize this time in the most constructive way we have prepared Holiday Homework for the students on the principle of 'learning by doing' for their holistic development.

ENGLISH

- 1) Do you believe in ghosts or in the supernatural? Narrate a scary experience you have had or a ghost story you have read in the first-person narration technique. Give a suitable title to the story.
- 2) POSTER MAKING: Create an attractive, eye catching and persuasive poster on any one of the given topics. You may use slogans.
 - a. Value of books and good reading habits.
 - b. Importance of exercise.
 - c. Promotion of computer Education

VOCABULARY CHALLENGE

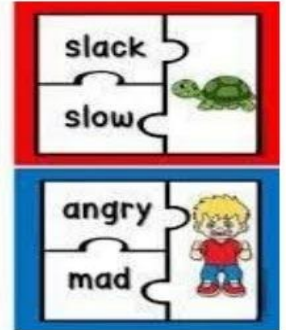


Q3 Unscramble the following words using the synonym or antonym provided in brackets. Write the correct word in the blank space.

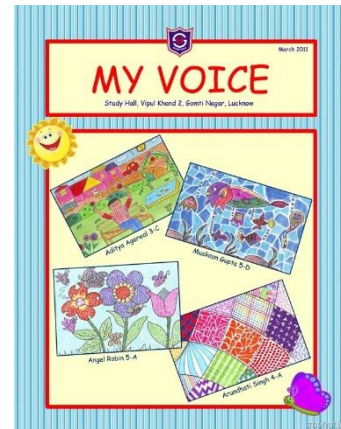
1. eervrps (Synonym: Improve)
2. utpeqh (Antonym: Loud)
3. ieangamt (Synonym: Creative)
4. ginperesd (Antonym: Cheerful)
5. girstnchne (Synonym: Strong)

Q4 Write one synonym and antonym of the following words:

Word	Synonym	Antonym
Happy	_____	_____
Brave	_____	_____
Difficult	_____	_____
Bright	_____	_____
Fast	_____	_____



- 5) Design a classroom magazine having an attractive cover page, an article about discipline in the classroom, a small story, riddles, idioms and proverbs etc.



- 6) Fill in the blanks using 'a', 'an' or 'the' where necessary.

1. Himalayas lie to the north of India.
2. sooner better.
3. Russians defeated..... Germans.
4. She wants to become actress.
5. He is..... Honorary Secretary of our club.
6. rose is the sweetest of all flowers.
7. Ronny hopes to be university professor.
8. I have never experienced such..... cold winter.

9. Switzerland is..... European country.

10. My friend is doctor.

7) In each of these sentences supply a verb in agreement with the subject.

1. Neelam and I great friends.

2. No one explained this properly.

3. Ten miles a long distance.

4. Bread and butter nutritious.

5. My friend and I awarded with a trophy.

6. The historian and philosopher dead.

7. Mathematics a difficult subject to master.

8. Each of the pictures slightly different.

9. The management committee passed the resolution.

10. Two and two four.

8) Fill in each blank with the appropriate vocabulary word from the word bank:

Word Bank:

- Magnificent
- Reluctant
- Bewildered
- Frantically
- Abundant
- Cautious
- Mischievous
- Gradually
- Enthusiastic
- Content

1. The hiker gazed at the _____ view from the mountaintop.

2. Sarah was _____ to join the dance class, but her friends convinced her to give it a try.

3. The tourists looked _____ as they tried to navigate the busy streets of the foreign city.

4. When he realised, he had lost his wallet, he searched _____ through his pockets.

5. The garden was filled with _____ flowers of every colour.

6. The parents were _____ as they watched their toddler play near the edge of the pool.

7. The _____ kitten knocked over the vase and then ran away.

8. With practice, her piano skills improved _____.

9. The students were _____ about the upcoming field trip to the museum.

10. After a day of exploring the city, he felt tired but _____.

- 9) As part of the “Ek Bharat Shreshtha Bharat” initiative, prepare a colourful and creative project on the topic “Compare and Contrast the Culture of Gujarat and Haryana.”

Your project should include the following points with relevant pictures, drawings, or cut-outs:

Traditional attire of both states

Major festivals and how they are celebrated

Popular food items/cuisine

Famous folk dances and musical instruments

Well-known sports and sportspersons

Local language or dialect used

HINDI

1. निम्न विषयों पर असाईमेंट फाईल तैयार करें। सूचना, पत्र (औपचारिक - अनौपचारिक), इ-मेल, विज्ञापन, अनुच्छेद, संदेश ।
2. अभ्यास सागर पाठ 1 से 15 तक पुस्तक में ही लिखें।
3. ज्ञान सागर पाठ 1. से 6 तक आंतरिक प्रश्न-उत्तर समेत भाव करें ।
4. व्याकरण में वाक्य रचना, क्रिया विशेषण, कारक, समास, संधि, क्रिया, तथा इनके भेदों को लिखें तथा याद करें।
5. शादी, समास, उपसर्ग-प्रत्यय, वाच्य, वाक्य, अलंकार की भेदों तथा उदाहरण सहित परिभाषा लिखें।
6. किन्ही 20 मुहावरों का अर्थ लिखकर वाक्य में प्रयोग करें।

SCIENCE

(I) Prepare a model on any topic from first five chapters using waste material from home only.

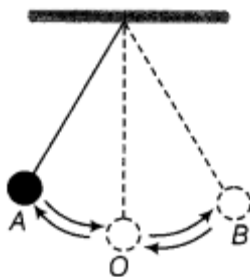
(II) Answer the following question in fair notebook

1. Draw human digestive system and nutrition in amoeba.
2. What is caecum? Why human beings cannot digest cellulose?
3. Why does a turmeric stain on white shirt is turned to red when it is washed with soap?
4. Which acid is injected into our body by an ant sting that causes pain?

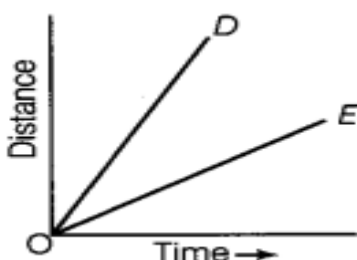
5. While playing in a park, a child was stung by a wasp. Some elders suggested applying paste of baking soda and others lemon juice as remedy. Which remedy do you think is appropriate and why?
6. Explain two neutralisation reactions related to daily life situations.
7. Match the substances in Column I with those in Column II.

Column I	Column II
(a) Tartaric acid	(i) Soap
(b) Calcium hydroxide	(ii) Curd
(c) Formic acid	(iii) Unripe mangoes
(d) Sodium hydroxide	(iv) Ant's sting
(e) Lactic acid	(v) Lime water

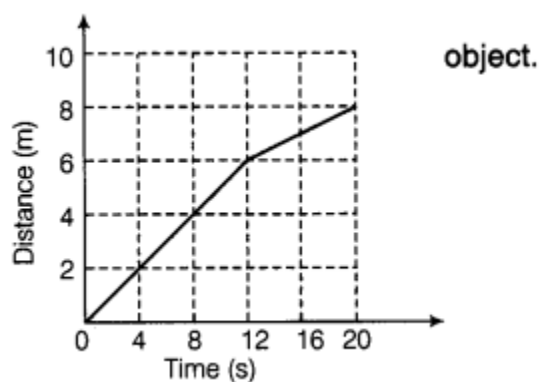
8. Prepare a list of food items along with acids present in them.
9. A simple pendulum is oscillating between two points A and B as shown in figure. Is the motion of the bob uniform or non-uniform?



10. State the characteristic of distance-time graph for the motion of an object moving with a constant speed.
11. Determine the number of seconds there in a day.
12. Last Sunday, Priyanka decided to go outside with her family for the dinner in some particular restaurant.
Then, she thought to go through her own car. So, while moving she increased the speed of the car from 36 km/h to 54 km/h. All of sudden, a rickshaw came in front of her car but due to applying of brakes at the right time, both of them got safe from meeting with an accident. [Value Based Question]
 - (a) Calculate the increase in the speed of the car in the terms of m/s.
 - (b) Mention a positive action performed by Priyanka
13. The following figure shows the distance-time graph for the motion of two objects D and E. Which one of them is moving slower?



14. Given below as a figure is the distance-time graph of the motion of
 - (a) What will be the position of the object at 20 s?
 - (b) What will be the distance travelled by the object in 12 s?
 - (c) What is the average speed of the object?



15. Boojho goes to the football ground to play football. The distance-time graph of his journey from his home to the ground is given as figure.
 - (a) What does the graph between points B and C indicate about the motion of Boojho?
 - (b) Is the motion between 0 to 4 min uniform or non-uniform?
 - (c) What is his speed between 8 to 12 min of his journey?

16. Balance the equations

1. $\text{HNO} + \text{Ca(OH)}_2 \rightarrow \text{Ca(NO}_3)_2 + \text{H}_2\text{O}$
2. $\text{NaCl} + \text{AgNO}_3 \rightarrow \text{AgCl} + \text{NaNO}_3$
3. $\text{BaCl}_2 + \text{H}_2\text{SO}_4 \rightarrow \text{BaSO}_4 + \text{HCl}$

17. Write the formula of

- (i) Sodium chloride. (ii) Potassium sulphate. (iii) Calcium carbonate
(iv) Aluminium sulphate. (v) Sodium carbonate (vi) aluminium nitrate
(vii) Magnesium carbonate. (viii) Magnesium nitrate

18. Give 3 examples of neutralisation reaction with balanced equations.

19. Give examples of acidic ,basic and neutral salts.

20. Mention any 3 properties of salts.

(III) Multiple choice questions

1. Phenolphthalein is a synthetic indicator and its colours in acidic and basic solutions respectively are-
(a) red and blue
(b) blue and red
(c) pink and colourless
(d) colourless and pink
2. Neutralisation reaction is a
(a) physical and reversible change
(b) physical change that cannot be reversed
(c) chemical and reversible change
(d) chemical change that cannot be reversed
3. Charged particles making many substances are called
(a) Ions (b) Atoms
(c) Molecules (d) All of above
4. What is the relation between distance and speed?
(a) Distance = Speed \times Time
(b) Distance = Speed/Time
(c) Distance = Time/Speed
(d) None of the above
5. How will you convert the speed given in km/h to m/s?
(a) By multiplying with 5/16
(b) By multiplying with 6/5
(c) By multiplying with 18/5
(d) By multiplying with 5/18

6. If we denote speed by S, distance by D and time by T, the relationship between these Quantities is
- (a) $S = D \times T$ (b) $T = \frac{S}{D}$
 (c) $S = \frac{1}{T} \times D$ (d) $S = \frac{T}{D}$
7. The distance-time graph for the motion of an object moving with a constant speed is
- (a) a curved line leaving towards x-axis
 (b) a curved line inclined towards y-axis
 (c) a straight line inclined at some angles towards x-axis
 (d) None of the above
8. Boojho walks to his school which is at a distance of 3 km from his home in 30 min. On reaching, he finds that the school is closed and comes back by a bicycle with his friend and reaches home in 20 min. His average speed in km/h
- (a) 8.3
 (b) 7.2
 (c) 5
 (d) 3.6

SOCIAL SCIENCE

1. Write two differences between Natural and Human environment.
2. Describe the four major components of the Natural environment.
3. What is FINDER?
4. What is glacier? Differentiate between continental and mountain glacier with example.
5. What is a cliff?
6. Explain agradation and degradation with diagram.
7. What are meanders?
8. Explain I shaped valleys and V shaped valleys with diagram.
9. What is soil erosion?
10. What is mean sea level?
11. What are fossil? Name any two fossil fuels.
12. Explain internal structure (crust, mental, core)of the earth with the help of a diagram.
13. What is a rock?
14. Differentiate between the three types of rocks (Igneous Sedimentary and Metamorphic rocks.)

15. Distinguished between rocks and minerals.
16. What is Lava?
17. What is earthquake? How is earthquake caused?
18. Differentiate between the P waves and S waves.
19. Who was Marco Polo?
20. Write a short note on Shankaracharya and Ramanuja.
21. What is Johar pratha?
22. Who was Muhammad Ghazni ?Why did he decide to attack India?
23. Who was Muhammad Ghori? Write a short note.

24. Map skill

Locate the given countries in political map of world.

India, China, France, Germany, Japan, United States of America, United Kingdom, New Zealand, Tanzania,

Bangladesh, Brazil, South Africa, Algeria, Pakistan ,Afghanistan, Iran ,Iraq ,Kazakhstan, Kyrgyzstan, Vatican

City, Turkey, Saudi Arab, Italy, Greece, Egypt, Russia, South Korea ,North Korea, Greenland, Iceland, Ireland,

Australia, Mexico, Canada, Libya, Mongolia , Israel, Norway, Sweden

25. Choose any two countries that you want to visit in future and collect basic informations and amazing facts and write down on A4 sheet. You can paste picture also.

26. Creative work

1. Prepare a model on Formation of soil showing different layer of soils. (Roll number 1 to 10)
2. Prepare a model showing the journey of river from its source to its mouth.(11 to 20)
3. Make a model of the earth's interior showing its major layers. (21 to 31)

27. Travel Accounts –

- Exploring the World Through Travelers' Eyes
- Create a travel diary about the places that you visit during your summer holidays.
- Write your experience, mention places visited, people met, food, culture, and any special observations.
- Include drawings, maps, or photos to make it look like a real travel journal.

SANSKRIT

सामान्य निर्देश:-

- शुद्ध व सुंदर लिखिए।
 - गृहकार्य संस्कृत की कॉपी में कीजिए।
1. संस्कृत वर्णमाला को चित्र के साथ प्रस्तुत कीजिए।
 2. पाठ 10. मधुरवचनानि से पांच श्लोक लिखें व याद करें।
 3. गम्, कृ, अस्, क्री धातु रूप चारों लकारों में याद करें।
 4. देव, रवि, गुरु, पितृ शब्द रूप याद करें।
 5. निम्नलिखित हिंदी वाक्यों का संस्कृत में अनुवाद कीजिए।

(क) मोहन घर जाएगा।

(ख) राम पुस्तक को पढ़े।

(ग) तुम आंखों से देखते हो।

(घ) मैं गांव से आया।

(ङ) हम सब ने अध्यापक के लिए उपहार दिया।

(च) कक्षा में छात्र बैठे हैं।

(छ) वे दोनों वहां न जाएं।

(ज) हम दोनों पिताजी से बातचीत करते हैं।

(झ) वे सब छुट्टियों में खेलते हैं।

(ञ) तुम दोनों मेरे छात्र हो।

DAV POLICE PUBLIC SCHOOL JHAJJAR
SUMMER HOLIDAY HOMEWORK
Class- VII

Dear students

Summer time is here with a lot of happiness and enjoyment. Along with enjoyment, studies should go hand in hand. This summer vacation, spend your time with your family. May you all have a fantastic summer vacation!

Instructions:

- 1. Do the given homework in a separate notebook.**
- 2. Handwriting must be neat and clean.**
- 3. Use your own ideas.**
- 4. Learn the work you do.**

MATHEMATICS

1. Express $\frac{-4}{7}$ as a rational number with numerator 12.
2. Express $\frac{16}{-24}$ in the simplest form.
3. Find absolute value of $\frac{-3}{-2}$.
4. Find x, if $\frac{6}{-x} = 6$.
5. Compare $\frac{7}{5}$ and $\frac{8}{7}$.
6. Find the value of $\frac{5}{8} + \frac{-3}{5}$.
7. Find the reciprocal of $\frac{-3}{-19}$.
8. Express $(\frac{-1}{2}) \times (\frac{-1}{2}) \times (\frac{-1}{2}) \times (\frac{-1}{2})$ in the exponential form.
9. Find absolute value of $\frac{0}{-4}$.
10. Represent $\frac{-2}{7}$ on number line.
11. Find x such that the rational numbers $\frac{x}{12}$ and $\frac{5}{6}$ become equivalent.
12. Simplify: $\frac{-5}{7} + \frac{9}{7} + \frac{-11}{14}$.
13. Arrange $\frac{-3}{4}, \frac{-5}{-12}, \frac{-7}{16}$ in the ascending order.
14. What number should be added to $\frac{-3}{7}$ so as to get 1?
15. Simplify and express $(\frac{5}{4} - \frac{6}{20}) \times \frac{8}{11}$ in standard form.
16. The product of two rational numbers is $\frac{-3}{7}$. If one of the number is $\frac{5}{21}$, find the number.
17. Express $\frac{-3}{4}$ in the decimal form.
18. Write base and exponent of $\frac{-2}{3}$.

19. Evaluate: $\left[\left(\frac{1}{3} \right)^6 \div \left(\frac{1}{3} \right)^5 \right] \div \frac{1}{3}$.

20. If $\frac{p}{q} = \left(\frac{2}{3} \right)^2 \times \left(\frac{1}{3} \right)^{-4}$, find the value of $\left(\frac{p}{q} \right)^{-2}$.

21. Without actual division determine which of the following rational numbers have a terminating decimal representation?

(i) $\frac{21}{128}$ (ii) $\frac{17}{90}$

22. Find the value of x so that $\left(\frac{-3}{2} \right)^6 \times \left(\frac{4}{9} \right)^3 = \left(\frac{1}{2} \right)^{3x}$.

23. Evaluate: $42.7 - 11 - 9.025 + 2.16$.

24. Find the value of x so that $16 \times \left(\frac{1}{2} \right)^2 = \left(\frac{1}{2} \right)^{3(x-2)}$.

25. Verify that $(x + y)^{-1} \neq x^{-1} + y^{-1}$ by taking $x = \frac{5}{9}$, $y = \frac{-4}{3}$.

26. Kavita along with her family was planning a vacation at a hill station. But, they were confused where

to go. Kavita's mother asked her to find out the maximum temperature of few hill stations for deciding

the place to visit . She checked the weather report on the internet and found that

Shimla temperature = $\left(\frac{-7}{2} \right)^\circ \text{C}$

Dalhousie temperature = -5°C

Manali temperature = $\left(\frac{-8}{5} \right)^\circ \text{C}$

(a) Arrange the temperature of these hill stations in ascending order.

(b) Which place will they decide to visit?

(c) What value is exhibited in the above situation?

27. Express $\frac{32}{243}$ as powers of rational number.

28. Find the reciprocal of $(-9)^4$.

29. Find x such that $\frac{36}{x}$, 2 become equivalent.

30. Compute: $54.67 + 2.98 - 12.55$

31. Find the value of x so that $\left(\frac{-1}{5} \right)^{20} \div \left(\frac{-1}{5} \right)^{15} = \left(\frac{-1}{5} \right)^{5x}$.

32. The product of two rational numbers is $-\frac{25}{16}$.If one of the numbers is $-\frac{5}{4}$, find the other .

33. Simplify and express the result as a rational number in its lowest term

$\frac{2}{5} \times \frac{3}{4} + \frac{1}{25} \times \frac{1}{2} - \frac{2}{10} \times \frac{1}{5}$.

34. Simplify: $\frac{-11}{30} - \frac{8}{15} + \frac{7}{6} + \frac{-2}{5}$.

35. Which of the following is a negative rational number?

(a) $\frac{-15}{-4}$

(b) 0

(c) $\frac{-5}{7}$

(d) $\frac{4}{9}$

36. 10×10^{11} is equal to

(a) $(100)^4$

(b) 10^{10}

(c) $(100)^{12}$

(d) $(10)^{12}$