



DARSHAN ACADEMY



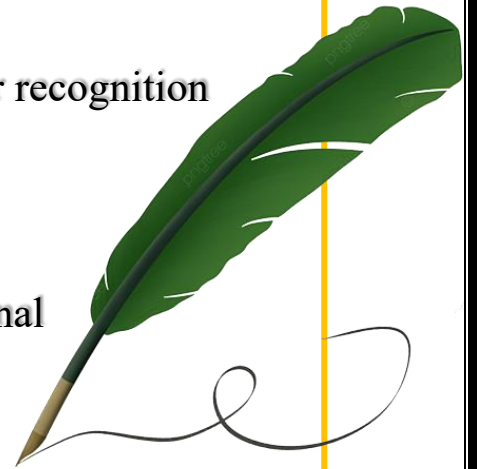
Dear Student Innovators

“We need to turn the recovery into a real opportunity to do things right for the future.”

So here are some guidelines for the Summer Assignments.

Follow them sincerely and let creativity flow in air:

- ✓ All Summer Assignments should be done in subject notebooks / A-4 sheets /project files, as per the instructions given by Subject Teacher.
- ✓ Do it in a neat and presentable manner.
- ✓ Original work of students will receive greater recognition and appreciation.
- ✓ These assignments carry extra marks in Internal Assessment (Subject Enrichment).
- ✓ Read and revise all the subjects covered till date.
- ✓ Hence, submission of work is compulsory for all students.



ENGLISH

COMPETENCY-BASED QUESTIONS

- Q1.** . If you are given a choice between the types of schools as mentioned in the chapter, 'The fun they had' which one would you choose and why?
- Q2.** "Music has no religion". How did Bismillah Khan's Shehnai prove it?
- Q3.** Sum up the central idea of the poem "The Road not Taken".

UNDERSTANDING BASED QUESTIONS

- Q1.** What was the reason behind Margie's poor performance?
- Q2.** Sum up the theme and message of the poem 'The Road not Taken'.
- Q3.** Describe the path of the fair in the chapter 'The lost child'

GRAMMAR

- Q1.** **Choose the correct option to fill the gap.**
Nasa says its robot rover Spirit (discovered/has discovered/had discovered) a patch of ground that (show/shows / had shown) evidence of a past environment that (would be / would have been/had been) perfect for microbial life. The deposits were probably (produced/produces/producing) when hot spring water or steam came into contact with volcanic rocks. On earth, these are the locations that (tend/tends/tended) to teem with bacteria, said Nasa scientists.

WRITING SKILL

- Q.1)** Plan a visit to a new place nearby. Write a diary entry of your visit describing the place. Paste pictures and give a detailed description. You may write about the location, key attractions, entry procedure, timings, and cultural or historical background.



- Q.2)** Music is a universal language. The story ‘Sound Of Music’ aptly illustrates how music binds people and it's not limited to one person instead loved and adored by all people. Read the stories thoroughly and write a biography of any one of the following:
- Ustad Bismillah Khan
 - Evelyn Glennie



(Also draw the related musical instruments mentioned in the text.)

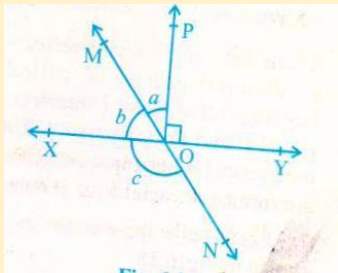
ASSESSMENT OF LISTENING AND SPEAKING (ASL)

- Q** Prepare yourself on any two topics of your choice for ASL.

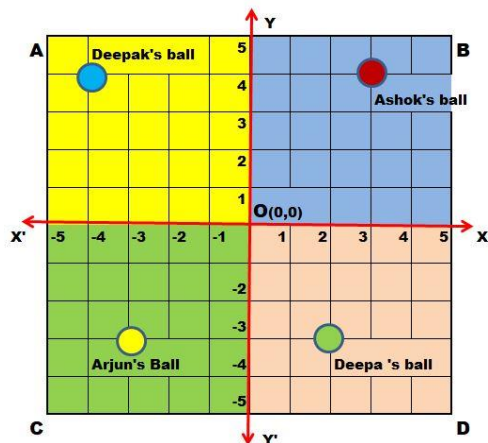
ART INTEGRATED PROJECT

- Q1.** Paint the poem ‘The Road not Taken’ by using Thumb impressions. (Thumb painting)
- Q2.** Make some bookmarks (Minimum two). Decorate them beautifully with motivational quotes.
- Q3.** Make an illustrative presentation on the Poem ‘Wind’. It can be through PPT, Chart, flashcards, comic strips etc.

MATHEMATICS

Q.1	Write the biography of any Indian Mathematician.
Q.2	Write any 2 quotations on Maths on A – 4 sheet.
Q.3	Write any five puzzles related to Maths.
Q.4	Make a model of a house with the help of 2-D and 3-D shapes.
Q.4	Find the measure of an angle which is 32° less than its supplement.
Q.5	Rationalize the denominator $30/(5\sqrt{3} - 3\sqrt{5})$
Q.6	Simplify $(2+\sqrt{3})(4\sqrt{3}-6)$
Q.7	If $x=\sqrt{2}-1$, then write the value of $1/x$.
Q.8	Find the value of $76^2 - 24^2$ using the identity.
Q.9	If $a=\sqrt{2}+1$, find the value of: $a+1/a$ $a-1/a$
Q.10	Represent $\sqrt{6}$ on the number line.
Q.11	If $x+y=9$ and $xy=20$, then find the value of x^2+y^2 .
Q.12	If $p(x) = 6x^2 - 5x - 1$, find the value of $3p(-1) + 2p(0)$.
Q.13	If $a^2+1/a^2 = 14$, find the value of a^3+1/a^3
Q.14	Factorise: $2x^3+3x^2-5x-6$.
Q.15	If $x=3+2\sqrt{2}$, find value of: $\sqrt{x} + 1/\sqrt{x}$ $x^2 + 1/x^2$
Q.16	<p>In Fig. lines XY and MN intersect at O. If $\angle POY = 90^\circ$ and $a:b = 2:3$, find c</p> 
Q.17	Case study question 1

Read the Source/Text given below and answer any four questions:



There is a square park ABCD in the middle of Saket colony in Delhi. Four children Deepak, Ashok, Arjun and Deepa went to play with their balls. The colours of the ball of Ashok, Deepak, Arjun and Deepa are red, blue, yellow and green respectively. All four children roll their ball from centre point O in the direction of XOY, X'OY, X'OY' and XOY'. Their balls stopped as shown in the above image.

Answer the following questions:

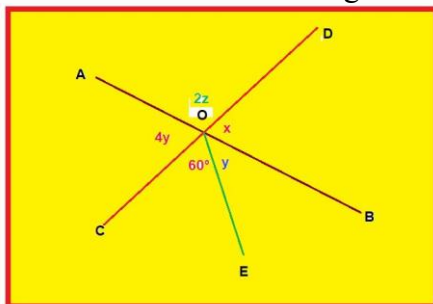
1. What are the coordinates of the ball of Ashok?
2. What are the coordinates of the ball of Deepa?
3. What the line XOY is called?
4. What the point O (0,0) is called?
5. What is the ordinate of the ball of Arjun?

Q.18

Case study question 2

Read the Source/Text given below and answer any four questions:

Maths teacher draws a straight line AB shown on the blackboard as per the following figure.



1. Now he told Raju to draw another line CD as in the figure.
2. The teacher told Ajay to mark $\angle AOD$ as $2z$
3. Suraj was told to mark $\angle AOC$ as $4y$
4. Clive Made and angle $\angle COE = 60^\circ$
5. Peter marked $\angle BOE$ and $\angle BOD$ as y and x respectively.

Now answer the following questions:

1. What is the value of x ?
2. What is the value of y ?
3. What is the value of z ?
4. What should be the value of $x + 2z$?
5. What is the relation between y and z ?

Q.19

Art integrated activity

Draw Square root spiral on A 4 Sheet

SCIENCE



SCIENCE

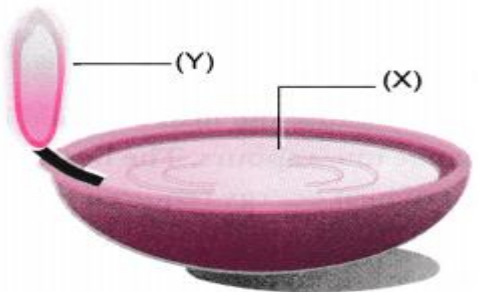
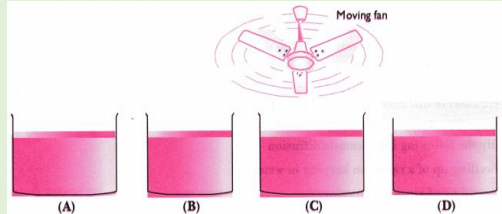
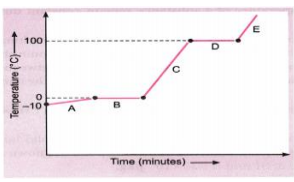
FOR STUDENTS-

Please maintain the quality of work done.

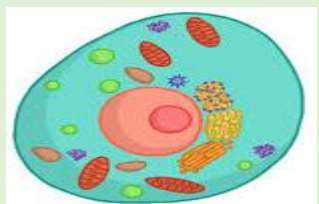
- Holiday homework will be assessed on parameters --Neatness and presentation marks/grade will be awarded accordingly.
- Read NCERT chapters covered for Periodic Test-I thoroughly and make optimum use of the practice manual.
- Highlight areas of doubt and clarify with the teachers after vacation.
- Minimise the use of gadgets
 - Learn Atomic Masses & Atomic Numbers of 1-20 elements.

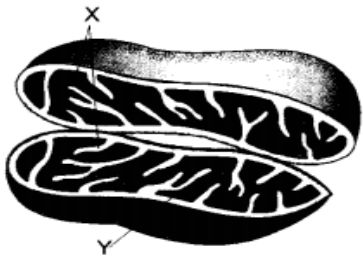
CHEMISTRY

1.	<p>LOTS:</p> <p>Which one of the following sets of phenomena would increase on raising the temperature?</p> <p>(a) Diffusion, evaporation, compression of gases</p> <p>(b) Evaporation, compression of gases, solubility</p> <p>(c) Evaporation, diffusion, expansion of gases</p> <p>(d) Evaporation, solubility, diffusion, compression of gases</p>	
2.	<p>Classify the following into osmosis/diffusion.</p> <p>(a) Swelling up of a raisin on keeping in water.</p> <p>(b) Spreading of the virus on sneezing.</p> <p>(c) Earthworms dying on coming in contact with common salt.</p>	
3.	<p>On converting 25°C, 38°C and 66°C to kelvin scale, the correct sequence of temperature will be</p> <p>(a) 298 K, 311 K and 339 K</p> <p>(b) 298 K, 300 K and 338 K</p> <p>(c) 273 K, 278 K and 543 K</p> <p>(d) 298 K, 310 K and 338 K</p>	
4.	<p>Name the process which occurs when a drop of Dettol is added to water.</p>	
	<p>ASSERTION & REASON BASED:</p> <p>Directions: In each of the following questions, a statement of Assertion is given, and a corresponding statement of Reason is given just below it. Of the statements, given below, mark the correct answer as:</p> <p>(a) Both assertion and reason are true, and reason is the correct explanation of assertion.</p> <p>(b) Both assertion and reason are true but reason is not the correct explanation of assertion.</p> <p>(c) Assertion is true but reason is false.</p> <p>(d) Both Assertion and Reason are false.</p>	

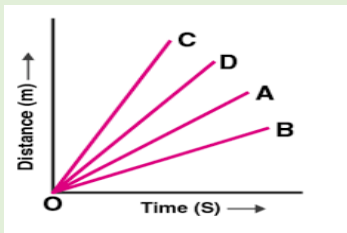
5.	<p>(i)Assertion: The displacement of an object may be zero even if the distance covered by it is not zero. Reason: Displacement is the shortest distance between the initial and final position.</p> <p>(ii) Assertion: the speedometer of a car measures the instantaneous speed of the car. Reason: Average speed is equal to the total distance covered by an object divided by the total time taken.</p> <p>(iii)Assertion (A): During the evaporation of liquids, the temperature remains unaffected. Reason (R): Kinetic energy of the molecules is inversely proportional to absolute temperature.</p>	
6.	<p>The diagram below shows the burning of an oil lamp. Draw the arrangement of particles of position 'X' and 'Y' when the lamp is burning.</p>	
7.	<p>Look at the following figures and suggest in which of the glass containers, i.e., A, B, C or D, the rate of evaporation will be the highest. Explain.</p>	
8.	<p>Analyse the temperature versus time graph of water, given below Which region contains all liquids?</p>	

BIOLOGY

1.	<p>PROJECT:</p> <p>*Make models of Plant cells & Animal cells with the help of waste or household materials.</p> <p>*Draw a mind map to relate the functions of an animal cell's organelles to parts of your school that have a similar function.</p>	
2.	<p>Cell arises from the pre-existing cell as stated by-</p> <p>a)Virchow b) Purkinje c) Robert Hook d) Robert Brown</p>	
3.	Name the organelles which is known as a scavenger of cell.	
4.	Name the two organelles we have studied that contain their own genetic material.	
5.	How do substances like CO ₂ and water move in and out of the cell?	
6.	<p style="text-align: center;">HOTS</p> <p>What would happen to the life of a cell if there was no Golgi apparatus?</p>	
7.	Why is the cell called the structural and functional unit of life?	

8.	Rita is making a temporary mount of onion peel. What precautions should be taken to avoid the entry of air bubbles on the slide?	
9.	<p>Ram a student of class IX suffered from a fever with headache. After a blood test, the doctor confirmed that he was suffering from Dengue & platelet count in his sample was also low</p> <p>(a) What does a doctor advise if the Platelets count is very low?</p> <p>(b) What precautions one should do to overcome the situation?</p>	
10.	<p>Label X and Y</p> <p>(i) What is the function of X?</p> <p>(ii) What is the composition of Y?</p> <p>(iii) Identify the above diagram and what is its common name?</p>	

PHYSICS

1.	<p style="text-align: center;">LOTS</p> <p>PROJECT: Make a working model to show the conversion of Energy.</p>	
2.	<p>The numerical ratio of displacement to distance for a moving object is</p> <p>(a) always less than 1</p> <p>(b) always equal to 1</p> <p>(c) always more than 1</p> <p>(d) equal or less than 1</p>	
3.	<p>Four cars A, B, C and D are moving on a levelled road. Their distance versus time graphs is shown in the figure. Choose the correct statement.</p> <p>(a) Car A is faster than car D.</p> <p>(b) Car C is the slowest.</p> <p>(c) Car C is faster than car A.</p> <p>(d) Car C is the slowest.</p>	
4.	<p>If the displacement of an object is proportional to the square of time, then the object moves with</p> <p>(a) uniform velocity</p> <p>(b) uniform acceleration</p> <p>(c) increasing acceleration</p> <p>(d) decreasing acceleration</p>	
5.	A particle is moving in a circular path of radius r . What would be the displacement after half a circle?	
6.	<p>Case Study Questions -</p> <p>(1) Distance and displacement are two quantities that seem to mean the same but are different with different meanings and definitions. Distance is the measure of “how much distance an object has covered during its motion” while displacement refers to the measure of “how far the object actually from its initial place.” using this data answer the following questions.</p> <p>(i) Which of the following relation is always true when an object moves in a straight line</p> <p>(a) distance is always equal to displacement.</p> <p>(b) distance is always greater than or equal to displacement.</p> <p>(c) distance is always lesser than or equal to displacement.</p> <p>(d) none of the above</p> <p>(ii) Kapil travels 20 km to the North but then comes back to the South for 40 km to pick up a friend. What is Kapil’s total distance?</p> <p>(a) 60km</p> <p>(b) 80km</p>	

- (c) 20km
(d) none of the above

(iii) Rahul travels 20 km to the East but then comes back to the West for 10 km. Find displacement.

- (a) 30km
(b) 20km
(c) 10km
(d) none of the above

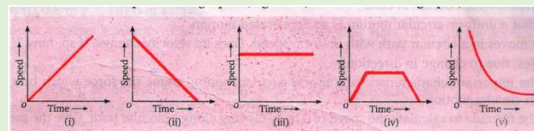
7.

HOTS

Given below are some speed time graphs.

In which of the graph-

- (a) Speed is constant.
(b) Speed is increasing.
(c) speed is decreasing.
(d) What happens in (iv & v)



8.

What is the difference between uniform velocity and non-uniform velocity?

9.

Given below is the velocity-time graph for the motion of the car. What does the nature of the graph show? Also find the acceleration of the car.

SOCIAL SCIENCE

VERY SHORT QUESTIONS

1.	On the city of Paris was in a state of alarm. The king had commanded troops to move into the city.
2.	A triangular slave trade took place between Europe, the Americas and.....?
3.	Who wrote an influential pamphlet?
4.	Which group of people did not join the Jacobin Club?
5.	When did women get right to vote in France?

MAP WORK

(A)	<p>On the political Map of Europe, locate and name the following countries:</p> <ul style="list-style-type: none"> ➤ France ➤ Spain ➤ Austria ➤ Britain ➤ Portugal ➤ Netherland ➤ Belgium ➤ Russia ➤ Switzerland ➤ Germany
(B)	<p>On the outline Map of France locate the following places:</p> <p>Paris Marseillaise Bordeaux Nantes</p>

PROJECT WORK

(A)	Draw the symbols used by the French people to communicate important ideas in the late 18th century.
(B)	Find out more about any one of the revolutionary figures you have read about on this topic. Write a short biography of this person.

Geography (CHAPTER 1-Resources & Development)

1	<p>Which of the following longitudes is selected as the Standard Meridian of India?</p> <p>(i) 8°4' N (ii) 82°30' E (iii) 97°25' E (iv) 23°30' N</p>
2	<p>Tropic of Cancer does not pass through which of these states?</p> <p>(i) Gujarat (ii) Rajasthan (iii) Maharashtra (iv) Odisha</p>

3	How many states and Union Territories does India have? (i) India has 27 States and 7 Union Territories. (ii) India has 26 States and 5 Union Territories. (iii) India has 26 States and 8 Union Territories. (iv) India has 28 States and 8 Union Territories
4	India has land boundary of about: (i) 7516 km. (ii) 18,200 km. (iii) 15,200 km. (iv) None of the above

Map based question

1	On the political Map of India Mark and label the following: a) I.S.T b) The Arabian Sea c) Smallest State d) Largest State
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POLITICAL SCIENCE

1	Read the given extract and answer the following questions: Zimbabwe attained independence from White minority rule in 1980. Since then, the country has been ruled by ZANU-PF, the party that led the freedom struggle, its leader, Robert Mugabe, ruled the country since independence. Elections were held regularly and always won by ZANU-PF. President Mugabe was popular but also used unfair practices in elections. Over the years his government changed the constitution several times to increase the power of the President and make him less accountable. Opposition party workers were harassed, and their meetings were disrupted.
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Answer the following MCQs by choosing the most appropriate option:

1	Which party of Zimbabwe led the freedom struggle?
2	-----was the President of Zimbabwe since independence.
3	How did the ruling party in Zimbabwe deal with the opposition party?
4	Robert Mugabe was forced out of office in:
5	Follow any one newspaper for one month and collect editorials, articles and letters on that page that have anything to do with democracy.
6	Identify the caricature shown in the given cartoon and make a list of the former Prime Ministers with their tenure as a P.M



ECONOMICS

(TOPIC-THE STORY OF VILLAGE PALAMPUR)

1 After reading the reports from newspapers/magazines, write a letter to the agriculture minister in your own words telling him how the use of chemical fertilizers can be harmful.

2 During the summer break visit any village and collect the information to complete the given chart:





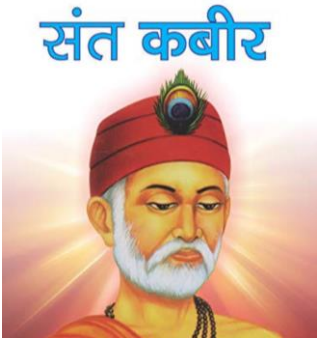
Name of crop	Month sown	Month harvested	Source of irrigation

INFORMATION TECHNOLOGY

Descriptive Questions

1.	What is a word processor?
2.	Name some popular word-processing softwares.
3.	Discuss the various types of keys available on a computer keyboard.
4.	Differentiate between save and save as command.
5.	Name any two offline and online word processing softwares.
6.	Differentiate between Delete Key and Backspace Keys.
7.	What do you understand by WYSIWYG?
8.	What is the default alignment of text in a document?
9.	What is the importance of a password in the document?
10.	What precautions are required to ensure that ICT use is safe?
11.	Write the steps to use the find and replace command.
12.	Which are the different areas of healthcare where IT is used? And how?

हिंदी - अ

प्रश्न- 1	प्रश्न1-पाठ 1 'दो बैलों की कथा' स्वतंत्रता के लिए संघर्ष की कहानी है स्वतंत्रता के महत्व को दर्शाते हुए भारत के स्वतंत्रता संग्राम से जुड़े किसी स्वतंत्रता सेनानी की जीवनी पर प्रकाश डालिए व उनके जीवन से संबंधित चित्र भी लगाए।(Roll.no-1-20)	
प्रश्न- 2	पाठ 1 'दो बैलों की कथा' से अर्थ के आधार पर वाक्य भेद छांटकर लिखिए (कोई 10)	
प्रश्न 3-	कहानी कथन क्रियाकलाप-प्रेमचंद की कहानी पढ़कर कहानी का सार लिखें।(कोई एक)	
प्रश्न 4	दिल्ली से लहासा जाने वाले मार्ग को भारत के मानचित्र पर अंकित करें। (Roll.no-21-40)	
प्रश्न 5-	कबीर की शिक्षाओं का माइंड मैप तैयार करें	
प्रश्न 6	ग्रीष्मावकाश के अनुभव को व्यक्त करते हुए दो मित्रों की बातचीत को संवाद के रूप में लिखिए।	

<p>प्रश्न 7-</p>	<p>आपका नाम सोनम/ सोहन है बढ़ती गर्मी के कारण आप अपने बच्चे के स्कूल का समय परिवर्तित कराना चाहते हैं एक अभिभावक के रूप में प्रधानाचार्य जी को समय परिवर्तन हेतु प्रार्थना पत्र लिखिए</p>	<div> <p>औपचारिक पत्र का प्रारूप-</p> <p>पता</p> <p>दिनांक</p> <p>सेवा में,</p> <p>.....</p> <p>विषय:</p> <p>श्रीमान जी,</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>धन्यवाद,</p> <p>आपका आज्ञाकारी शिष्य/आपका आभारी,</p> <p>नाम:</p> </div>
<p>प्रश्न 8</p>	<p>व्याकरण पुस्तक में से कोई दो हल रहित अपठित गद्यांश व काव्यांश करिए।</p>	