

ग्रीष्मकालीन अवकाश गृह कार्य

कक्षा - 9 विषय - हिन्दी

प्रश्न 1. पाठ -1 “दो बैलों की कथा” कहानी का सारांश संक्षेप में लिखिए। (लगभग 100-150 शब्दों में)

प्रश्न -2 “दो बैलों की कथा”की तरह वर्तमान सामाजिक परिदृश्य पर आधारित कोई कहानी या अनुच्छेद लिखिए। (लगभग 100-150 शब्दों में)

प्रश्न 3. पाठ 1 “दो बैलों की कथा” एवं पाठ - 2 “क्यों लिखूं” पाठ के पूरे प्रश्न उत्तर कॉपी में लिखिए।

प्रश्न- 4. आप अपने क्षेत्र में प्रचलित कोई 10 कहावतें एवं उनके अर्थ लिखिए।

प्रश्न- 5. नियमित रूप से हिन्दी की किताब, कहानी, नाटक, उपन्यास, समाचार पत्र आदि पढ़ने का अभ्यास करो एवं उनसे क्या सीख मिली उसे संक्षेप में लिखिए।

कक्षा 9 (CBSE) – ग्रीष्मकालीन अवकाश कार्य

विषय : हिंदी

प्रिय विद्यार्थियों,

ग्रीष्मकालीन अवकाश का सदुपयोग करते हुए निम्नलिखित कार्य पूर्ण करें। सभी कार्य साफ-सुथरी लिखावट में निर्धारित कॉपी में करें।

1. पठन कार्य

प्रतिदिन कम से कम 20 मिनट हिंदी समाचार पत्र पढ़ें तथा 10 नए शब्द लिखकर उनके अर्थ ज्ञात करें।

2. लेखन कार्य

निम्नलिखित विषयों में से किसी दो पर 150–200 शब्दों का अनुच्छेद लिखें –

1. जल संरक्षण
2. मेरा प्रिय पर्व
3. पर्यावरण संरक्षण
4. डिजिटल शिक्षा
3. व्याकरण कार्य

निम्नलिखित विषयों की पुनरावृत्ति कर उदाहरण सहित लिखें –

1. संज्ञा
2. सर्वनाम
3. विशेषण
4. मुहावरे (10)
5. लोकोक्तियाँ (10)
4. रचनात्मक कार्य

“मेरा स्वप्न भारत” विषय पर एक सुंदर पोस्टर बनाइए।

5. परियोजना कार्य

अपने परिवार के किसी बुजुर्ग सदस्य का साक्षात्कार लें और उनके जीवन के अनुभवों को 1 पृष्ठ में लिखें।

निर्देश:

- कार्य समय पर पूर्ण करें।
- साफ-सुथरी एवं सुंदर लिखावट का ध्यान रखें।
- चित्रों का प्रयोग आवश्यकतानुसार करें।
- अवकाश के बाद कॉपी जाँच हेतु प्रस्तुत करें।

शुभकामनाएँ!

SST Summer Assignments

Class IX S

1. Draw the map of Indus-Saraswati Civilization. Illustrate all important sites (minimum 15) on it.
2. Differentiate between the Harappan and Mesopotamian civilization. (300 words)
3. Read chapters 1 and 4 completely once the SST textbook is available online or offline.

SUMMER HOLIDAY HOMEWORK
CLASS-IX
ENGLISH

A. Reading Skills

1. Read any TWO chapters from your “Kaveri” textbook.
2. For each chapter, write:
 - a. Title
 - b. Author/Poet
 - c. Main characters
 - d. Summary
 - e. Theme/Message

B. Writing Skills

1. Paragraph Writing (any 2) in 100-120 words.
 - a. Importance of Discipline
 - b. Why is it important to learn how to read and write?
 - c. Save Environment
2. Grammar Practice:
 - a. Tenses (write 5 sentences each)
 - i. Present Tense
 - ii. Past Tense
 - iii. Future Tense
3. Vocabulary enhancement:
 - i. Learn and write 10 new words
 - ii. Include meaning + sentences.

PRACTICE PAPER 01 (2026-27)
CHAPTER 01 COORDINATE GEOMETRY

SUBJECT: MATHEMATICS

MAX. MARKS : 40

CLASS : IX

DURATION : $1\frac{1}{2}$ hrs

General Instructions:

- (i). All questions are compulsory.
- (ii). This question paper contains 20 questions divided into five Sections A, B, C, D and E.
- (iii). **Section A** comprises of 10 MCQs of 1 mark each. **Section B** comprises of 4 questions of 2 marks each. **Section C** comprises of 3 questions of 3 marks each. **Section D** comprises of 1 question of 5 marks each and **Section E** comprises of 2 Case Study Based Questions of 4 marks each.
- (iv). There is no overall choice.
- (v). Use of Calculators is not permitted

SECTION – A

Questions 1 to 10 carry 1 mark each.

1. The point $(5, -7)$ lies in:
(a) First quadrant (b) Second quadrant (c) Third quadrant (d) Fourth quadrant
2. Which point lies on the x-axis?
(a) $(0,6)$ (b) $(5,0)$ (c) $(-3,4)$ (d) $(2,7)$
3. Which point is equidistant from the x-axis and y-axis?
(a) $(3,3)$ (b) $(4,5)$ (c) $(-2,3)$ (d) $(5,0)$
4. If a point is 4 units away from the origin along the x-axis, it can be:
(a) $(4,0)$ or $(-4,0)$ (b) $(0,4)$ or $(0,-4)$ (c) $(3,3)$ or $(-3,-3)$ (d) $(2,2)$ or $(-2,-2)$
5. Which point lies in the second quadrant?
(a) $(6,3)$ (b) $(-4,5)$ (c) $(-5,-6)$ (d) $(3,-7)$
6. The distance between points $(-2, -3)$ and $(-2,4)$ is:
(a) 5 (b) 6 (c) 7 (d) 8
7. Which of the following points is the midpoint of $(-3,5)$ and $(1,1)$?
(a) $(-1,3)$ (b) $(-2,2)$ (c) $(1,3)$ (d) $(0,2)$
8. Which point lies in the third quadrant?
(a) $(4,6)$ (b) $(-3,5)$ (c) $(-4,-7)$ (d) $(6,-2)$

In the following questions 9 and 10, a statement of assertion (A) is followed by a statement of Reason (R). Choose the correct answer out of the following choices.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

9. **Assertion:** Distance between $(1, 4)$ and $(1, 10)$ is 6.

Reason: If two points have the same x-coordinate, distance equals the difference of y-coordinates.

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- (iv). There is no overall choice.
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SECTION – A

Questions 1 to 10 carry 1 mark each.

1. The point $(5, -7)$ lies in:
(a) First quadrant (b) Second quadrant (c) Third quadrant (d) Fourth quadrant
2. Which point lies on the x-axis?
(a) $(0,6)$ (b) $(5,0)$ (c) $(-3,4)$ (d) $(2, 7)$
3. Which point is equidistant from the x-axis and y-axis?
(a) $(3,3)$ (b) $(4,5)$ (c) $(-2,3)$ (d) $(5,0)$
4. If a point is 4 units away from the origin along the x-axis, it can be:
(a) $(4,0)$ or $(-4,0)$ (b) $(0,4)$ or $(0,-4)$ (c) $(3,3)$ or $(-3,-3)$ (d) $(2,2)$ or $(-2,-2)$
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6. The distance between points $(-2, -3)$ and $(-2,4)$ is:
(a) 5 (b) 6 (c) 7 (d) 8
7. Which of the following points is the midpoint of $(-3,5)$ and $(1,1)$?
(a) $(-1,3)$ (b) $(-2,2)$ (c) $(1,3)$ (d) $(0,2)$
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- (c) A is true but R is false.
- (d) A is false but R is true.

9. **Assertion:** Distance between $(1, 4)$ and $(1, 10)$ is 6.

Reason: If two points have the same x-coordinate, distance equals the difference of y-coordinates.

10. **Assertion:** Midpoint of (2, 8) and (6, 4) is (4, 6).

Reason: Midpoint formula is $\left(\frac{x_1+x_2}{2}, \frac{y_1+y_2}{2}\right)$.

SECTION – B

Questions 11 to 14 carry 2 marks each.

11. The coordinates of two towns are $A(3,5)$ and $B(-1,9)$. A courier wants to go from A to B in a straight path. Find the distance between the two towns.
12. A park has two entrances at $P(2,1)$ and $Q(8,5)$. A security guard walks along the straight path joining the entrances. Find the distance he walks.
13. Find the point on the x-axis which is equidistant from $(2, -5)$ and $(-2, 9)$.
14. Find the value(s) of y such that distance between $P(2, -3)$ and $Q(10, y)$ is 10 units.

SECTION – C

Questions 15 to 17 carry 3 marks each.

15. Check whether the points $A(2,3)$, $B(6,7)$, $C(10,11)$ are collinear.
16. Show that the triangle with vertices $A(1,2)$, $B(5,2)$, $C(5,5)$ is right-angled.
17. Find the midpoint of $A(-2,4)$ and $B(6,10)$ and verify that the midpoint divides the line segment equally.

SECTION – D

Questions 18 carry 5 marks each.

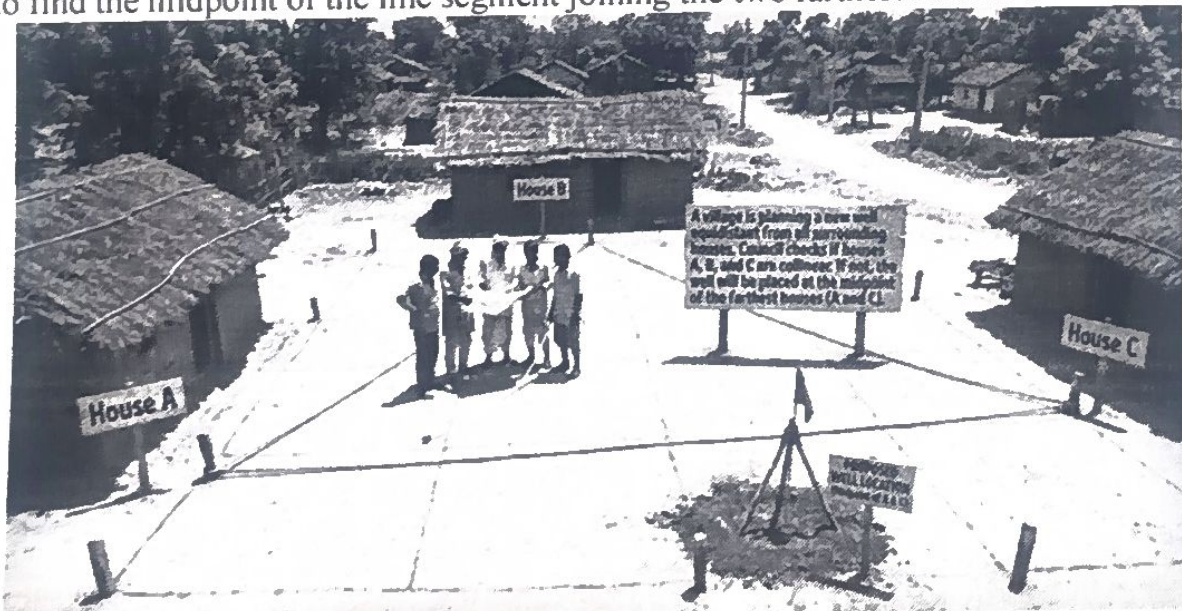
18. Show that the points $A(1,1)$, $B(5,1)$, $C(5,5)$, $D(1,5)$ are the vertices of a square.

SECTION – E (Case Study Based Questions)

Questions 19 to 20 carry 4 marks each.

19. Case Study 1 - Village Well Planning

A village is planning to dig a new well at a central location so that all surrounding houses are equidistant from it. The houses are located at points $A(2,3)$, $B(6,3)$, and $C(4,7)$ on a coordinate grid representing the village map. The village council wants to check whether these three houses lie in a straight line so that the well can be placed equidistantly. If they are not collinear, the council wants to find the midpoint of the line segment joining the two farthest houses to locate the well.



Answer the following questions:

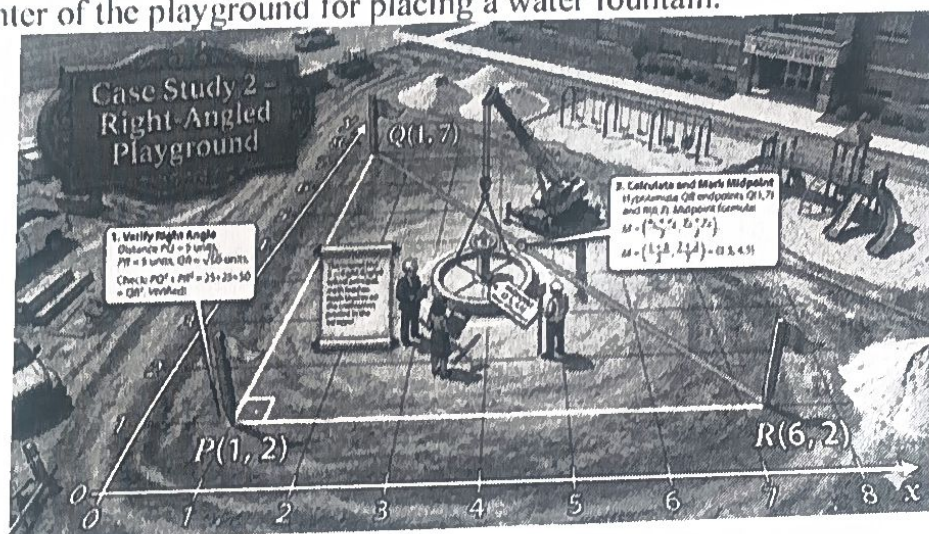
- (a) Check whether the points A, B, C are collinear. (2)
- (b) Identify the two farthest houses. (1)
- (c) Find the midpoint of the line joining the two farthest houses. (1)

OR

- (c) Calculate the distance between the two farthest houses and give coordinates of the well. (1)

20. Case Study 2 - Right-Angled Playground

A school is designing a rectangular playground. The corners of the playground are marked at $P(1,2)$, $Q(1,7)$, and $R(6,2)$ on the school's coordinate map. The principal wants to ensure that the playground is **right-angled** so that sports can be played efficiently. He asks the math teacher to verify whether $\triangle PQR$ forms a right-angled triangle and to calculate the midpoint of the hypotenuse to mark the center of the playground for placing a water fountain.



Answer the following questions:

- (a) Verify whether $\triangle PQR$ is right-angled. (2)
 - (b) Determine which side is the hypotenuse. (1)
 - (c) Find the midpoint of the hypotenuse. (1)
- OR
- (c) Give coordinates of the playground center. (1)

SUMMER HOLIDAY HOMEWORK
CLASS-9th (Bio)

1. Write down the all practicals of biology (Science) in practical notebook.
2. Write down the all notes in biology notebook of chapter Fundamental unit of Life.
3. Write down the all activities given chapter Fundamental unit of Life.
4. Learn and writing practice of Exercise of Chapter Fundamental unit of life.
5. Draw all Labeled diagram of chapter Fundamental unit of Life.

Subject Teacher- G.D. Rai (PGT BIO)

1	ACTIVITY – CHART MAKING Prepare the chart and explain the given topic with proper diagram and illustrations. Roll no 1 to 10 --- Describe the various types of motion. Roll no 11 to 20 --- Describe the uniformly accelerated motion. Roll no 21 to 30 --- Derive the three equations of motion for uniformly accelerated motion using graphical method. Roll no 31 to 40 --- Describe the uniform circular motion. Roll no 41 to 50 --- Velocity vs Time Graph for various cases (Acceleration = 0, infinite, + , - etc)																									
2	Have you ever experienced that the train in which you are sitting appears to move while it is at rest? • Share your experience.																									
3	The times of arrival and departure of a train at three stations A, B and C and the distance of stations B and C from station A are given in Table 7.4. <table><tr><th colspan="4">Table 7.4: Distances of stations B and C from A and times of arrival and departure of the train</th></tr><tr><th>Station</th><th>Distance from A (km)</th><th>Time of arrival (hours)</th><th>Time of departure (hours)</th></tr><tr><td>A</td><td>0</td><td>08:00</td><td>08:15</td></tr><tr><td>B</td><td>120</td><td>11:15</td><td>11:30</td></tr><tr><td>C</td><td>180</td><td>13:00</td><td>13:15</td></tr></table> Plot and interpret the distance-time graph for the train assuming that its motion between any two stations is uniform.	Table 7.4: Distances of stations B and C from A and times of arrival and departure of the train				Station	Distance from A (km)	Time of arrival (hours)	Time of departure (hours)	A	0	08:00	08:15	B	120	11:15	11:30	C	180	13:00	13:15					
Table 7.4: Distances of stations B and C from A and times of arrival and departure of the train																										
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A	0	08:00	08:15																							
B	120	11:15	11:30																							
C	180	13:00	13:15																							
4	Feroz and his sister Sania go to school on their bicycles. Both of them start at the same time from their home but take different times to reach the school although they follow the same route. Table 7.5 shows the distance travelled by them in different times <table><tr><th colspan="3">Table 7.5: Distance covered by Feroz and Sania at different times on their bicycles</th></tr><tr><th>Time</th><th>Distance travelled by Feroz (km)</th><th>Distance travelled by Sania (km)</th></tr><tr><td>8:00 am</td><td>0</td><td>0</td></tr><tr><td>8:05 am</td><td>1.0</td><td>0.8</td></tr><tr><td>8:10 am</td><td>1.9</td><td>1.6</td></tr><tr><td>8:15 am</td><td>2.8</td><td>2.3</td></tr><tr><td>8:20 am</td><td>3.6</td><td>3.0</td></tr><tr><td>8:25 am</td><td>–</td><td>3.6</td></tr></table> Plot the distance-time graph for their motions on the same scale and interpret.	Table 7.5: Distance covered by Feroz and Sania at different times on their bicycles			Time	Distance travelled by Feroz (km)	Distance travelled by Sania (km)	8:00 am	0	0	8:05 am	1.0	0.8	8:10 am	1.9	1.6	8:15 am	2.8	2.3	8:20 am	3.6	3.0	8:25 am	–	3.6	
Table 7.5: Distance covered by Feroz and Sania at different times on their bicycles																										
Time	Distance travelled by Feroz (km)	Distance travelled by Sania (km)																								
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8:15 am	2.8	2.3																								
8:20 am	3.6	3.0																								
8:25 am	–	3.6																								
5	Solve all the In-text questions and exercise questions of motion chapter in your Physics copy.																									

Summer Holiday Homework – Class 9 Science

Theme: Explore, Observe, Create & Learn

Instructions for Students

- *Complete the work neatly in a separate Science notebook/file.*
- *Use charts, colours, diagrams, and creativity.*
- *Mention your Name, Class, Roll No.*
- *Submit after summer vacation.*

Section A: Fun with Science Activities

1. Kitchen Chemistry

Observe any 5 changes happening in the kitchen and classify them as Physical Change or Chemical Change.

*2. Paste pictures of examples of following **Separation Techniques***

- *Filtration, Evaporation, Distillation, Handpicking*

3. Write name of 20 elements, its symbol and their atomic number (1-20)

4. Make a poster on (any one)

- *Save Water*
- *Say No to Plastic*
- *Clean Earth Green Earth*
- *Save Trees Save Life*

5. Why do wet clothes dry faster in sunlight?

6. Why do we add chlorine in water tanks?

7. Differentiate between homogeneous and heterogeneous mixtures.

PMSHRI KENDRIYA VIDHYALAYA TIKAMGARH

Summer break-Holiday Homework

Artificial Intelligence (417)

Class-9

1. Complete your AI notebook.
2. Explain elements of communication with flow diagram.
3. Factors affecting perspective in communication.
4. Explain effective communication —(7C's).
5. Explain chatbots in brief.
6. Explain how AI work in the following areas.
 - a. Google search engine
 - b. Voice assistant
 - c. E-commerce website
7. Explain some of the advantages of AI especially in areas like health care, transportation and education.

Note:- Do all the questions in your AI notebook.

Subject teacher-JUHI PARVEEN

PGT (CS)