



S.B.P. D.A.V. Centenary Public School, Fatehabad.

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Holidays' Assignments for Summer Vacations (2025-26) for Class IX



General Instructions:

1. *Get up early in the morning and go out for a walk daily. Do yoga daily for healthy living.*
2. *Make a Bird feeder and add seeds for birds daily and also place water for them.*
3. *Raise a small kitchen garden by planting seeds.*
4. *Learn any one folk song.*
5. *Help your mother in cooking and learn vegetable cooking and salad decoration.*
6. *The summer break for classes VI-XII will be from 01.06.2025 to 01.07.2025 (Both days inclusive). School will reopen on 02.07.2025.*
7. *Revise the syllabus of all subjects done before summer vacations for Unit Tests to be started from 07.07.2025.*
8. *Try to make your handwriting better by practicing and do your HW in good handwriting.*
9. *Do assignments in holidays homework notebook and activities/projects on A4 sheets for each subject & submit it for assessment to your class teacher on July 10, 2025.*
10. *Learn all the prayers and mantras given in student diary.*
11. ***Register & participate in 1st stage of 11th Online International Humanity Olympiad, International Open Oratory Contest and International Open Poetry Recitation Contest by accessing through web portal <https://www.dhyankaksh.org/value-your-virtues>. Every individual passing the exam (i.e. scoring minimum 40%) will get an e-certificate through e-mail immediately on their e-mails. School code is : FATE104. This certificate and certificates of courses earned by you during holidays should be part of your portfolio.***
12. ***Waste Warriors: Smart Sorting & Creative Recycling.** Survey at least 10 families in your surroundings and collect data how they Dispose off two types of waste and create awareness in them to segregate waste. Click pictures and paste in your portfolio.*

ENGLISH

Syllabus for Unit Test:

Beehive: Ch. 1,2 (The fun they had, Sound of Music)

Poem: 1,2 (The Road not Taken ,Wind)

Moments: Ch.1(The lost Child)

Grammar: Modals, Subject verb concord.

Holidays homework:

From BBC Writing task:

Module 1(Reading) Passage no.1 to 5

(page no.3 to 19)

Module 2(Descriptive Writing)(person, event)

(Page no.81 to 86 and page no.99 to 104)

Module 5(Grammar _1)

Complete Worksheets of Sub verb agreement and Modals.

Module 7(Behive)

Complete assignment of Ch 1,2,3 ,Poem 1,2,3

Module 8(Moments)

Complete assignment of Ch 1,2.

Activities: (to be done on A4 sheets for activity file)

Make a collage of Indian Musicians along with their instruments.

Make a greeting card for father on the occasion of father's Day.

Create a comic book based on the chapter "The Adventures of Toto ".(pages 10_12)

Project Work: (Do on A4 sheets)

* Reading culture is an environment where reading is celebrated, appreciated and respected. Reading is the bedrock of the curriculum and is paramount to a child's personal, social, and academic success, as well as their general wellbeing. To foster Reading habit among common people and specially students, there is need to apply some strategies.

Take up a project and collect opinions of at least ten people in your surrounding on Reading culture and it's importance in their daily life .Develop a questionnaire to collect opinion about 10 people in your surrounding. You can prepare the questions like(7 to 10 questions):

1. Role of reading in the enrichment of their life?
2. Are e books promoting reading culture?

Tabulate the opinions/ responses and write a report about the project containing following facts:

1. Impact of positive and negative reading.
- 2.Role of reading in the development of an individual.
- 3.Role of reading in education.
4. How to promote reading culture in mass media.
5. How to organize interesting occasions to foster Reading culture.

Book Reading n Review : Read any book of your interest and submit the book review after the vacations.

#Animal Farm by George Orwell: A satirical allegory about political power and corruption.

You Are Born to Blossom by APJ Abdul Kalam

The Blue Umbrella by Ruskin Bond

Never Give up for your dreams by Lavanya Pandya

Listening task:

Watch BBC news channel or Ted talks on which platform the expertise / talkers come from their direct experiences which enables them to approach the talk from their stories lived. This credibility helps speakers earn the trust of audience members to then hear the message with a more open mind.

After listening to them write about your favorite speaker on A4 sheet.

हिन्दी

प्र -1. पाठ्य पुस्तक क्षितिज में करवाए गए पाठों के आधार पर निम्नलिखित प्रश्नों के उत्तर 5 से 6 पंक्तियों में दीजिए - सुलेख का विशेष ध्यान रखें ।

क. 'दो बैलों की कथा' पाठ के प्रमुख पात्र हीरा और मोती के कार्य- व्यवहार के आधार पर बताइए कि सच्चे मित्रों की क्या पहचान होती है ?

ख. यात्रा एक अनुभव के साथ -साथ सुखद अनुभूति भी है, कैसे तथा हमें यात्रा क्यों करनी चाहिए पाठ 'ल्हासा की ओर' के आधार पर उत्तर दीजिए ?

ग. 'झूठी तुष्टि के तात्कालिक लक्ष्य' से क्या आशय है ? उपभोक्तावाद की संस्कृति पाठ के आधार पर उत्तर दीजिए ?

घ. कबीर जी ने अपने अधिकांश दोहों एवं सबदों में 'साधुओं' को ही क्यों संबोधित करते हैं ? तर्क के साथ उत्तर दीजिए ।

ङ. अपने वाखों में ललद्यद ने जिस सामाजिक सद्भाव एवं समता का संदेश दिया है, वर्तमान लोकतांत्रिक भारत के संदर्भ में उसका क्या महत्व है ? स्पष्ट कीजिए।

प्र -2. भारतीय सेवा सुरक्षा बल एक व्यापक संगठन है, जिसमें थल सेना, वायु सेना, नौसेना, तटरक्षक बल और केंद्रीय सशस्त्र पुलिस बल शामिल है । इन सभी बलों का परिचय, कार्य और संरचना संबंधी क्षेत्रों की चित्र सहित

विस्तृत जानकारी देते हुए एक परियोजना कार्य असाइनमेंट फाइल में A-4 साइज शीट पर तैयार करें ।

असाइनमेंट के पहले पेज पर एक सुंदर- सा इंडेक्स भी बनाएँ ।

प्र -3. निम्नलिखित विषयों पर एक-एक अनुच्छेद लिखिए :-

इंटरनेट का दुष्प्रभाव, परतंत्रता एक अभिशाप, पर्यावरण संरक्षण में युवाओं की भूमिका, आतंकवाद

प्र -4. कोई भी दो औपचारिक पत्र, दो अनौपचारिक पत्र लिखें । (विषय का चुनाव विद्यार्थी स्वयं करें)

प्र -5. कोई भी दो औपचारिक ई-मेल लिखें । (विषय का चुनाव विद्यार्थी स्वयं करें)

प्र -6. भारत- पाकिस्तान के बीच अब जो ये 'ऑपरेशन या लिमिटेड मिलट्री एक्शन' हुआ है । इसको लेकर दो दोस्तों के बीच हुई बातचीत को संवाद के रूप में लिखिए ।

प्र -7. विद्यालय के प्रधानाचार्य की ओर से विद्यार्थियों को अनुशासन भंग न करने की चेतावनी देते हुए एक सूचना लिखिए ।

प्र -8. क्षितिज पाठ -1, 2,3 व 7,8 में से 5-5 उपसर्ग -प्रत्यय युक्त शब्द छाँटकर उनमें उपसर्ग, मूल शब्द व प्रत्यय अलग -अलग करके लिखें ।

प्र -9. प्रथम इकाई परीक्षा के लिए अप्रैल तथा मई में करवाया गया सारा पाठ्यक्रम अच्छे तरीके से याद करें ।

पाठ - दो बैलों की कथा, ल्हासा की ओर, कबीर की सखियाँ व सबद, ललदयद का वाख और व्याकरण पाठ -1 उपसर्ग -प्रत्यय

नोट :- प्रश्न संख्या दो को छोड़कर यह सारा कार्य हिंदी- बी की फेयर नोटबुक में सुंदर व अच्छी लिखाई के साथ करना अनिवार्य है ।

MATHS

MULTIPLE CHOICE QUESTIONS:	
1.	The type of decimal expansion of $\frac{3}{14}$ is (a) Terminating (b) Non terminating non repeating (c) Non terminating and repeating (d) None of these
2.	The number of factors of the polynomial $p(x) = y^4 + 6y^3 + y^2 + y - 1$ is (a) 2 (b) 3 (c) 4 (d) 5
3.	Which of the following is irrational (a) 0.65 (b) $0.153\bar{3}$ (c) 0.1234 (d) 0.6496098.....
4.	The measure of the angle between the coordinate axes is (a) 0^0 (b) 180^0 (c) 90^0 (d) 360^0

5.	The point (0,-3) lies in / on (a) First quadrant (b) y-axis (c) second quadrant (d) None of these
6.	If (3,2) is a solution of linear equation $-2x + 3ky + 6 = 0$, then the value of k is (a) 4 (b) 2 (c) 0 (d) -2
7.	Which of the following is solution of equation $x + 4y = 2$ (a) (0,3) (b) (2,1) (c) (-2,1) (d) (0,2)
8.	Which of the following is irrational ? (a) $\frac{\sqrt{45}}{\sqrt{5}}$ (b) $\frac{\sqrt{42}}{\sqrt{7}}$ (c) $\frac{\sqrt{12}}{\sqrt{3}}$ (d) $\frac{\sqrt{18}}{\sqrt{2}}$
9.	Which of the following is cubic polynomial. (a) $x^3 + 3x^2 - 4x + 3$ (b) $x^2 + 4x - 7$ (c) $3x^2 + 4$ (d) $3(x^2 + x + 1)$
10.	$\sqrt{6} \times \sqrt{27}$ is equal to: (a) $9\sqrt{2}$ (b) $3\sqrt{3}$ (c) $2\sqrt{2}$ (d) $9\sqrt{3}$
11.	If $p(x) = x + 3$, then $p(x) - p(-x)$ is equal to (a) 3 (b) $2x$ (c) 0 (d) 6
12.	Ordinate of all the points on they-axis is (a) 0 (b) 1 (c) 2 (d) any number.
13.	If the coordinates of two points are P(-2,3) and Q(-3,5) then (ordinate of P)-(ordinate of Q) is (a) -2 (b) 1 (c) 7 (d) -7
14.	The equation $y = 7$ in two variables, can be written as (a) $1 \cdot x + 0 \cdot y = 7$ (b) $1 \cdot x + 1 \cdot y = 7$ (c) $0 \cdot x + 1 \cdot y = 7$ (d) $0 \cdot x + 0 \cdot y = 7$
15.	If 'm' is a positive integer which is not a perfect square, then \sqrt{m} is (a) an irrational number (b) a natural number (c) an integer (d) a rational number
16.	If $a < 0$ and $b > 0$ then the point (a, b) lies in quadrant (a) III (b) I (c) IV (d) II
	In the following questions a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choices as (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A) (b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A)

	(c) Assertion is true but reason is false (d) Assertion is false but reason is true
17.	Assertion: Rational number lying between two rational numbers x and y is $(x+y)/2$. Reason: There is one rational number lying between any two rational numbers.
18.	Assertion : $2x-1$ is the linear polynomial. Reason : A polynomial of degree 1 is called linear polynomial.
19.	Assertion: The points $(-3,5)$ and $(5,-3)$ are at different positions in the coordinate plane. Reason: The position of (x,y) in the Cartesian plane is different from the position of (y, x) .
20.	Assertion : If $x = 2k - 1$ and $y = k$ is a solution of the equation $3x - 5y - 7 = 0$, then the value of k is 10. Reason: A linear equation in two variables has infinitely many solutions.
<p>Short and long answer type questions:</p> <p>1. Give five rational numbers between $2/3$ and $3/4$.</p> <p>2. Write four irrational numbers between $3/4$ and $4/5$.</p> <p>3. Express $2.3\bar{6} + 0.\bar{23}$ as a fraction in the simplest form. $[\frac{2573}{990}]$</p> <p>4. Evaluate : $\frac{1}{\sqrt{10}-\sqrt{5}} \quad [\frac{1}{5}(\sqrt{10} + \sqrt{5})]$</p> <p>5. Simplify : $\frac{30}{5\sqrt{3}-3\sqrt{5}} \quad [5\sqrt{3}+3\sqrt{5}]$</p> <p>6. Find the value of a and b: $\frac{3+2\sqrt{2}}{3-\sqrt{2}} = a+b\sqrt{2} \quad [a = 13/7, b = 9/7]$</p> <p>7. Find the value of a and b: $\frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}} + \frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}} = a+b\sqrt{6} \quad [a = 10, b = 0]$</p> <p>8. If $x = 2 + \sqrt{3}$, find the value of $x^2 + \frac{1}{x^2} \quad [14]$</p> <p>9. Simplify : $\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-2} = 5$</p> <p>10. Simplify : $7\sqrt{6} - \sqrt{252} - \sqrt{294} + 6\sqrt{7} \quad [0]$</p> <p>11. Prove that : $\left(\frac{x^a}{x^b}\right)^{a^2+ab+b^2} \cdot \left(\frac{x^b}{x^c}\right)^{b^2+cb+c^2} \cdot \left(\frac{x^c}{x^a}\right)^{c^2+ac+a^2} = 1$</p> <p>12. Expand by using suitable identity: $(-2x+3y+2z)^2$</p> <p>13. If $3x + 2y = 12$ and $xy = 6$, find the value of $9x^2 + 4y^2$</p> <p>14. Factorise: (i) $4x^2 + 4xy + y^2$ (ii) $25p^2 - 36q^2$ (iii) $16a^4b + 54ab^4$ (iv) $1000p^4q - 1331pq^4$</p>	

15. Factorise using remainder theorem : $x^3 - 10x^2 - 53x - 42$
16. In which quadrant or which axis the following points lie : (6,2), (-2,3); (0,0); (0,-6); (-7,0); (-4,-5); (3,-4) .
17. Plot the points A (0, 2), B (2,2) and C (0, 2) join A, and D .What fig. do you obtain ?
18. If $3x + 4y = 18$, express 'y' in terms of x. Check whether (2,3) is a solution of the given equation.
19. Find four solutions of the equation $2x + y = 4$.
20. Factorise : $x^2 + y^2 + z^2 - 2xy + 2xz - 2yz$

CASE STUDY BASED QUESTIONS:

1. **Case study** – Our excessive dependence on motorized road transport imposes significant economic costs on society. These include road casualties, physical inactivity and ill health caused by it e.g. obesity. Cycling could substantially reduce these risks, while strengthening local economics in both urban and rural areas, supporting local businesses and boosting the economic productivity. A bicycle is being lent at fixed charges for first three days of week and an additional charge of each day thereafter. Mr. Sam paid Rs. 27 for a cycle kept for seven days. If fix charges are Rs. x and per day charges are Rs. y then from the above information answer the following questions.
- (a) Form a linear equation in two variables from above information.
- (b) If fix charges is Rs. 15, then find the additional charge paid by Sam for each extra day.
- (c) If per day charge is Rs. 5, Find the fixed charge for first three days.

OR

What will be the equation formed if Mr. Sam paid Rs. 30 for 6 days?

2. Case study-

In front of Rakesh's house, there is a park whose dimension are a meter and b meter, where a and b are zeroes of the polynomial $x^2 - 30x + 216$



Answer the following questions

Find the length of the park.

Find the breadth of the park.

Find the remainder when $x^2 - 30x + 216$ is divided by $x + 16$

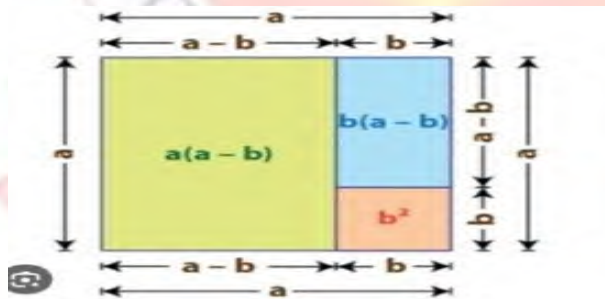
OR

If $x + \frac{1}{x} = 2$, then find the value of $x^3 + \frac{1}{x^3}$

Activity:- 1. Locate $\sqrt{5}$ on the number line.

2. Represent $\sqrt{7.2}$ on the number line.

3. Verify $a^2 - b^2 = (a+b)(a-b)$ by paper cutting method



Project work:

Research about the population of India for the past 10 years and Represent this Information in bar graph .

Note:

- Complete the fair notebook (chapter no.1 to 4)
- Do practice of chapters 1,2 3 & 4 for unit test

SCIENCE

Prepare these Chapters for UT:

Motion, Matter in Our Surroundings, The Fundamental Unit of Life

Physics:

NCERT	Solve All problems of Chapter Motion from NCERT and NCERT exemplar in Fair Notebook.																							
Innovative Idea:	<p>One Innovative idea Per Student Must be Submitted.</p> <p>How to Find the Idea?</p> <p>There are many problems around us which we face on daily basis. Look for these routine problems around us. Think of how science can be helpful in solving such problems. Use this link to see examples for better understanding of the task. https://inspireawards-dst.gov.in/download/booklet/English-Booklet-2020.pdf</p> <p>Make one chart of your idea. You will be given 2 min to present your ideas in Class after summer break.</p>																							
Activity: 1	Take a metre scale and a long rope. Walk from one corner of lawn to its opposite corner along its sides. Measure the distance covered by you and magnitude of the displacement. Note down the difference between distance and displacement.																							
Activity: 2	<p>Plan to go to a place by vehicle. Take reading of odometer and speedometer after every 5 minutes till you reach your destination. Record these observations in tabular form; plot graph between distance time and speed time. State whether this motion is uniform or nonuniform.</p> <table border="1" data-bbox="305 1409 1484 1833"> <thead> <tr> <th>Time interval (Minutes)</th> <th>Distance travelled (Kms)</th> <th>Speed (Km/hr)</th> </tr> </thead> <tbody> <tr> <td>0-5</td> <td></td> <td></td> </tr> <tr> <td>6-10</td> <td></td> <td></td> </tr> <tr> <td>11-15</td> <td></td> <td></td> </tr> <tr> <td>16-20</td> <td></td> <td></td> </tr> <tr> <td>21-25</td> <td></td> <td></td> </tr> <tr> <td>26-30</td> <td></td> <td></td> </tr> </tbody> </table>			Time interval (Minutes)	Distance travelled (Kms)	Speed (Km/hr)	0-5			6-10			11-15			16-20			21-25			26-30		
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Case Study- Velocity and	The Indian Air Force conducted precision airstrikes using Rafale jets equipped with SCALP missiles. The velocity and acceleration of these aircraft were crucial in																							

Acceleration in Airstrikes	<p>determining the success of the strikes.</p> <p>Key Physics Concepts:</p> <ul style="list-style-type: none"> • Velocity: The speed of the aircraft in a specific direction. • Acceleration: The rate of change of velocity, important for maneuvering during strikes. • Kinematic Equations: Used to calculate displacement, final velocity, and time during flight. <p>Q1. If a Rafale jet accelerates from rest to 300 m/s in 10 seconds, calculate its acceleration and the distance traveled during this time.</p> <p>Q2. What is the relation between velocity and acceleration?</p> <p>Q3 Draw velocity –time graph of Q1.</p> <p>Q4. Name two vector quantity used in the above Paragraph.</p>
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Biology:

NCERT	Solve All problems of Chapter The Fundamental Unit of Life from NCERT and NCERT exemplar in Fair Notebook.
Mind Map:	Draw a mind map to show cell components, cell organelles its discoveries and their functions.
Worksheet:	Solve Worksheet Given Below

Bio Worksheet:

<p>Which organelle is known as the ‘powerhouse of the cell’?</p> <p>(a) Golgi apparatus (b) Mitochondria</p> <p>(c) Ribosome (d) Lysosome</p>
<p>Which organelle is involved in the synthesis of proteins?</p> <p>(a) Ribosome (b) Nucleus</p> <p>(c) Endoplasmic reticulum (d) Golgi apparatus</p>
<p>What is the function of the cell membrane?</p> <p>(a) Provides rigidity to the cell</p> <p>(b) Controls the movement of substances in and out of the cell</p>

(c) Helps in photosynthesis (d) Produces energy
Which cell organelle is responsible for packaging and secretion? (a) Endoplasmic reticulum (b) Golgi apparatus (c) Mitochondria (d) Plastid
What is the full form of DNA? (a) Deoxyribonucleic Acid (b) Deoxyribose Nucleic Acid (c) Deoxyribonitrogen Acid (d) None of the above
In plant cells, which structure provides rigidity and shape? (a) Cell wall (b) Cell membrane (c) Vacuole (d) Cytoplasm
Which of the following is found only in plant cells and not in animal cells? (a) Mitochondria (b) Cell wall (c) Ribosome (d) Nucleus
What is the role of lysosomes in a cell? (a) Protein synthesis (b) Photosynthesis (c) Intracellular digestion (d) Energy production
Which of the following processes occurs in the chloroplast? (a) Respiration (b) Photosynthesis (c) Protein synthesis (d) Cell division
Plasmolysis occurs when a cell is placed in: (a) Hypotonic solution (b) Isotonic solution (c) Hypertonic solution (d) Pure water

Chemistry:

NCERT	Solve All problems of Chapter Matter in Our Surroundings from NCERT and NCERT exemplar in Fair Notebook.
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Activity: 1	Observation of Change in States of Matter Objective: Show melting, freezing, condensation, and evaporation. Materials: Ice cubes, a glass, water, a spoon, and a heating source. Instructions: Observe how ice melts into water and how water evaporates. Record temperature changes and time.
Activity: 2	Evaporation Rate Comparison Objective: Compare how fast water evaporates under different conditions. Materials: 3 cups of water, fan, sunlight, room temperature. Instructions: Measure and compare the time taken for evaporation. Effect of Surface Area on Evaporation Objective: Understand how surface area affects evaporation. Materials: Water, a plate, a bowl, and a glass. Instructions: Pour equal amounts of water and observe evaporation speed.
Science Comic or Storyboard:	Make a comic strip explaining states of matter through characters like “Solid Sam”, “Liquid Lily”, and “Gas Gary”.

SOCIAL SCIENCE

A. Prepare a short atlas by preparing maps on A-4 sheets

Chapter-1: INDIA-SIZE AND LOCATION

- **India**-States with Capitals, Tropic of Cancer, Standard Meridian, (location and labeling)

Chapter-2: PHYSICAL FEATURES OF INDIA

Mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Wn & En Ghat.

Mountain Peaks - K2, Kanchanchunga, Anai Mudi,

Plateau - Deccan Plateau, Chotta Nagpur Plateau, Malwa plateau

Coastal Plains - Konkan, Malabar, Coromandal & Northern Circar (Location and Labeling)

Chapter-3: Drainage

• **Rivers:** (Identification only)

a) The Himalayan River Systems - The Indus, The Ganges, and The Satluj

b) The Peninsular rivers - The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi

• **Lakes:** Wular, Pulicat, Sambhar, Chilika

B: Art Integrated Project:

Prepare an integrated project selecting Manipur state of India. Follow the given instructions while making project.

- A4 colourful sheets should be used.
- Related picture must be paste.
- Writing should be neat and clean with proper heading.

Following topics should be covered during project work

1. Location and Topography
2. Administration
3. Total number of Villages and districts
4. Vegetation and soil type
5. Minerals
6. Language
7. Festivals and Cultural celebrations
8. Food Items
9. Dresses
10. Folk Dance and Folklores
11. Tourist resorts

C. Topic: Operation Sindoor

Objective:

To understand the significance of Operation Sindoor, its impact on society, and its relevance to the curriculum in Social Science.

- Write a report (300-350 words) on its significance and how it aligns with the concept of disaster management and humanitarian assistance.
- Include visuals, maps, and important dates.

Poster Making (Art Integration):

- Create a poster depicting the theme “Disaster Management and Relief Operations” inspired by Operation Sindoor.
- Use slogans, images, and illustrations to convey the message.

D. Find out and write the meaning of important words or terms.

- Longitude, Latitude. Peninsula, Strait, Sub continent
- Relief Feature, Glacier, Islands, Barchans, Plateau, Bhabhar, Terai, Khadar, Bhangar, Duns, Tributary, Distributaries
- Drainage, Drainage Basin, Water Divide, River System, Perennial, Delta. Meanders, Ox-Bow Lake, Lagoon. Gorge, Canyons, Cliffs.
- Livre. Clergy, Tithe, Taille, Treason, Subsistence Crisis, Chateau, Manor, Convent, Negroes, Emancipation.

E. Listen and write an impressive story based on Social and moral values with the help of your grandfather and grandmother.

F. Project/Activity

Locate the peaks, passes, ranges, plateaus, hills, and duns hidden in the puzzle. Try to find where these features are located. You may start your search horizontally, vertically or diagonally.

E	M	K	U	N	L	N	A	T	H	U	L	A	R	I	A	H	I	A	T
M	H	A	S	J	M	A	N	J	K	M	A	J	L	B	H	O	R	P	J
J	N	V	F	A	E	T	D	C	A	R	D	E	M	O	M	L	O	M	K
C	R	E	I	I	Q	H	M	O	I	F	T	N	X	M	A	X	F	C	T
N	M	T	S	N	A	U	Q	R	M	S	A	N	A	D	I	D	A	N	J
A	B	X	A	T	G	A	R	O	U	L	F	V	D	I	K	P	T	D	C
C	Y	C	H	I	G	A	M	M	R	D	T	I	Z	L	A	J	P	O	K
H	R	T	K	A	N	C	H	E	N	J	U	N	G	A	L	U	L	B	E
O	O	M	O	P	I	T	P	N	O	S	S	D	D	K	S	P	D	O	K
T	D	A	N	M	L	M	D	D	C	S	A	H	L	S	A	I	E	E	J
A	R	R	K	A	G	T	H	A	R	H	E	Y	D	H	H	A	I	A	R
N	S	A	A	L	I	A	T	L	E	I	Y	A	B	A	Y	T	H	R	L
A	Z	V	N	W	R	E	D	S	P	P	A	N	H	D	A	O	J	U	K
G	O	A	N	A	I	M	U	D	I	K	D	P	M	W	D	A	B	P	E
P	A	L	L	J	S	H	E	V	R	I	Y	E	V	E	R	E	S	T	M
U	O	I	M	Y	R	Y	P	A	T	L	I	G	J	E	I	T	H	A	R
R	K	I	Q	S	L	A	H	C	N	A	V	R	V	P	E	A	T	S	P

G. Project/Activity

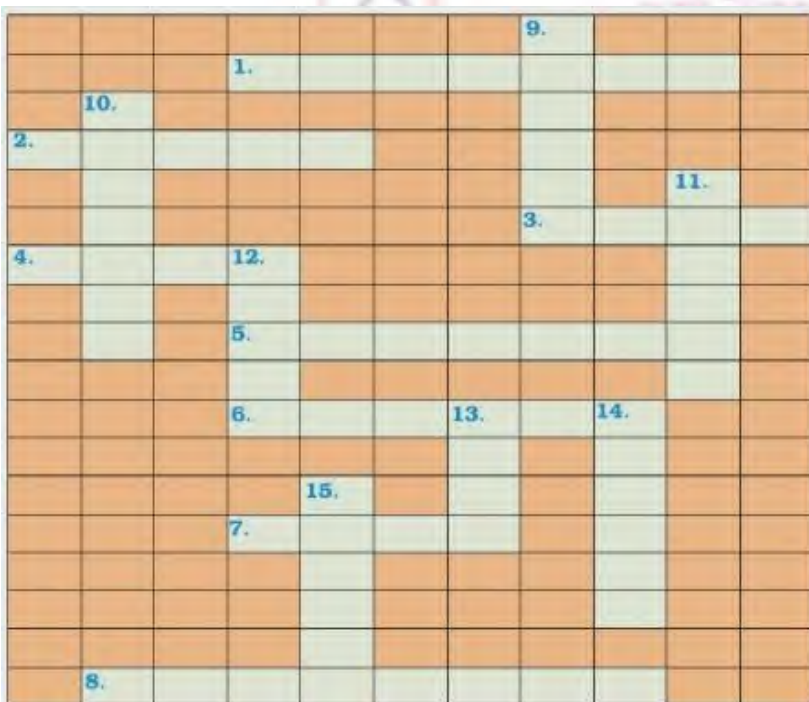
Across

1. Nagarjuna Sagar is a river valley project. Name the river?
2. The longest river of India.
3. The river which originates from a place known as Beas Kund.

4. The river which rises in the Betul district of MP and flows westwards.
5. The river which was known as the “Sorrow” of West Bengal.
6. The river on which the reservoir for Indira Gandhi canal has been built.
7. The river whose source lies near Rohtang Pass.
8. The longest river of Peninsular India.

Down

9. A tributary of Indus originating from Himachal Pradesh.
10. The river flowing through fault, drains into the Arabian Sea.
11. A river of South India, which receives rain water both in summer and winter.
12. A river which flows through Ladakh, Gilgit and Pakistan.
13. A important river of the Indian desert.
14. The river which joins Chenab in Pakistan.
15. A river which rises at Yamunotri glacier.



H: Learn and write additional competency based questions from each chapter which you have done in the month of April and May. “Make at least 20 additional questions covering the whole chapter and solve them in Holidays Home Work Notebook (10 very short ,6 short answers and 4 long answers.)”

I: Learn the following syllabus of Unit Test.

Geography:-

Chapter-1: INDIA-SIZE AND LOCATION

Democratic Politics:

Chapter-1: What is Democracy? Why Democracy?

Submission Guidelines:

- All assignments should be submitted in a neatly compiled folder with your name, class, and section clearly mentioned.
- Ensure that each project is clearly labeled with the chapter name and project

PUNJABI

ਲਿਖ ਤੇ ਯਾਦ ਕਰੋ -

ਨੋਟ - ਲਿਖਣ ਵਾਲਾ ਕੰਮ ' ਪੰਜਾਬੀ ਬੀ ' ਵਿਆਕਰਨ ਦੀ ਨੋਟ ਬੁੱਕ ਤੇ ਸਾਫ਼-ਸਾਫ਼ ਲਿਖਾਈ ਵਿੱਚ ਕਰਨਾ ਹੈ ।

ਲੇਖ - 1. ਪੰਜਾਬ ਦੇ ਲੋਕ - ਗੀਤ

2. ਦੇਸ਼- ਪਿਆਰ

ਪੱਤਰ ਰਚਨਾ :

ਤੁਸੀਂ ਆਪਣੇ ਜਮਾਤੀਆਂ ਨਾਲ ਕਿਸੇ ਵਿੱਦਿਅਕ ਟੂਰ ਤੋਂ ਵਾਪਸ ਆਏ ਹੋ । ਇਸ ਚਿੱਠੀ ਰਾਹੀਂ ਆਪਣੀ ਸਹੇਲੀ ਜਾਂ ਮਿੱਤਰ ਨਾਲ ਟੂਰ ਦਾ ਅਨੁਭਵ ਸਾਂਝਾ ਕਰੋ ।

ਕਿਰਿਆਤਮਕ ਕੰਮ (Activity)-

ਵਿਸ਼ਾ - ਵਿਸਾਖੀ ਦੇ ਮੇਲੇ ਦਾ ਚਿੱਤਰ ਸਹਿਤ ਵਰਨਣ

ਵਿਸਾਖੀ ਦੇ ਮੇਲੇ ਦਾ ਧਾਰਮਿਕ ਮਹੱਤਵ ਦੱਸਦੇ ਹੋਏ ਇਹ ਵੀ ਲਿਖੋ ਕਿ ਇਹ ਮੇਲਾ ਕਿਉਂ ਮਨਾਇਆ ਜਾਂਦਾ ਹੈ।

ਕਿਰਿਆਤਮਕ ਕੰਮ ਕਰਦੇ ਹੋਏ ਹੇਠ ਲਿਖੇ ਨੁਕਤੇ ਧਿਆਨ ਵਿੱਚ ਰੱਖਣੇ ਹਨ -

* ਐਕਟੀਵਿਟੀ ਰੰਗਦਾਰ (A 4 size) ਸੀਟ ਤੇ ਕਰਨੀ ਹੈ।

* ਪਹਿਲੇ ਪੇਜ਼ ਤੇ ਕਿਰਿਆਤਮਕ ਕੰਮ ਦੀ ਜਾਣਕਾਰੀ ਦੇਣੀ ਹੈ ਜਿਵੇਂ Project of Punjabi (ਪੰਜਾਬੀ ਦਾ ਕਿਰਿਆਤਮਕ ਕੰਮ)

ਸਭ ਤੋਂ ਪਹਿਲਾਂ ਵਿਸ਼ਾ ਫਿਰ ਵਿਦਿਆਰਥੀ ਆਪਣਾ ਨਾਂ, ਰੋਲ ਨੰਬਰ ਤੇ admission number ਲਿਖਣਗੇ ਤੇ ਫਿਰ ਸੌਂਪਿਆ ਗਿਆ ਤੇ ਅਧਿਆਪਕ ਦਾ ਨਾਂ (Submitted to) ਤੇ ਦੁਆਰਾ ਪੇਸ਼ ਕੀਤਾ ਗਿਆ (Submitted by) ਤੇ ਵਿਦਿਆਰਥੀ ਨੇ ਆਪਣਾ ਨਾਂ ਲਿਖਣਾ ਹੈ।

Ist UT ਲਈ ਹੇਠ ਲਿਖਿਆ Syllabus ਯਾਦ ਕਰੋ -

ਪਾਠ ਪੁਸਤਕ ਸਹਿਤ ਮਾਲਾ - ਕਵਿਤਾ - ਸਮਾਂ

ਕਵਿਤਾ - ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ

ਪਾਠ ਪੁਸਤਕ ਵੰਨਗੀ - ਕਹਾਣੀ - ਜਨਮ- ਦਿਨ

ਵਿਆਕਰਨ - ਵਿਰੇਧੀ ਸ਼ਬਦ 1 ਤੋਂ 156

ਲਿੰਗ ਬਦਲੇ (ਸਾਰੇ)

ਸ਼ਬਦ ਸੁੱਧੀ (ਅਸੁੱਧ ਤੋਂ ਸੁੱਧ ਸ਼ਬਦ)

ਮੁਹਾਵਰੇ ' ਉ ' ਤੇ ' ਅ ' ਵਾਲੇ

ARTIFICIAL INTELLIGENCE

Syllabus of Unit Test, July-2025

Part A

- Unit-1 (Communication Skills-I)
- Unit- 2 (Self-Management Skills-I)

Part B

- Unit-1 (AI Reflection, Project Cycle and Ethics)

Instructions:

- Thoroughly revise the syllabus of Unit Test, July 2025
- Complete all the activities mentioned below.
- Use your creativity to make the project visually appealing and interesting.
- For Activities 3, 4 & 5, take clear **screenshots** while performing the tasks.
- Submit the PowerPoint and screenshots via **email** to:

✉ activities.davftb@gmail.com

- In the **Subject** of the email, mention your:
HHW, Your Name, Class, Section, Roll No.
(Example: HHW, anyaA Sharma, IX Tulip, Roll No. 48)

✦ Activity 1: PowerPoint Presentation – “AI Around Us”

- Create a **PowerPoint** (6–8 slides) on the topic:
“AI Around Us: Real-Life Examples of Artificial Intelligence”
- Include:
 - **Images** of AI applications (like Google Maps, Siri, ChatGPT, smart fridges, etc.)
 - 2–3 **short descriptions** of where and how AI is used in our daily lives.
 - Try to include at least **1 video or GIF** to make it engaging.

✦ Activity 2: Create an AI-Based Comic Strip

- Use **online tools** like [Canva](#), [Pixton](#), or plain paper to draw a **comic strip**.
- The comic should show a story about:
"How AI helped someone solve a problem"

- Example: A robot helping a student find lost books, or AI in a smart home.
 - Minimum **4 panels** with dialogues and characters.
-

✦ Activity 3: Explore “Quick, Draw!” by Google

- Go to: <https://quickdraw.withgoogle.com/>
 - This is an AI that guesses what you're drawing in 20 seconds!
 - Play at least **5 rounds**.
 - Take **screenshots** of:
 - One correct guess
 - One wrong guess
 - The final results page
-

✦ Activity 4: Make a Poster – “AI in 2050”

- Create a **digital or hand-made poster** imagining what AI will be like in the year **2050**.
 - You can include:
 - Flying delivery drones
 - AI doctors
 - Robot teachers
 - Be creative and futuristic!
 - Write a **caption** or **slogan** for your poster.
-

✦ Activity 5: AI Career Research

- Research and write a **half-page** report in your notebook on **any one career in AI**, such as:
 - Machine Learning Engineer
 - Data Scientist
 - Robotics Engineer
 - AI Ethicist
- Include:
 - What the job is about
 - Skills required
 - One famous person in that field