


WINTER HOLIDAY HOMEWORK

Class	Subject	HomeWork
IIIA/III B	EVS	<p>Write about atleast five Indoor games and five Outdoor games and also paste/draw pictures related to those sports.</p> <p>Collect the following information about three women sports personalities:- Name of the sportsperson- Sport – Achievements-</p> <p>Prepare a chart showing means of transport Land transport Water transport Air transport</p> <p>Make a painting showing Culture of Assam. Make your family tree on a chart paper and write about the profession of your parents on A4 size sheet.</p>
IIIA	MATHS	<ul style="list-style-type: none"> • Draw the given Rajasthani Madana pattern on a white chart paper and find out the number of square, rectangle, triangle and kite in the pattern.  <ul style="list-style-type: none"> • LEARN AND WRITE TABLES FROM 1-15. • MULTIPLY THE GIVEN NUMBERS A) 28X2 B) 46 X 3 C) 50 X 4 D) 79 X 8 • FIND OUT THE WEIGHT OF A) MOBILE B) SCHOOL SHOES C) TWO RUPEE COIN D) PENCIL
IIIB	MATHS	<p>MAKE A LIST OF 5 THINGS USUALLY USED IN HOME. NAME OF THE THINGS / QUANTITY (Kg/L) / RATE per Kg.</p> <p>LEARN AND WRITE TABLES FROM 1-15. MULTIPLY THE GIVEN NUMBERS</p>

		A) 28X2 B) 46 X 3 C) 50 X 4 D) 79 X 8 FIND OUT THE WEIGHT OF A) MOBILE B) SCHOOL SHOES C) TWO RUPEE COIN D) PENCIL																												
III A/III B	ENG	Learn the poem-Don't Tell. Write three things that your elders don't let you do. Write three things that you would like to do when you are grown up that you just can't do now. Write a letter to your teacher and send it .																												
III A/III B	HINDI	<ol style="list-style-type: none"> आपने दिवाली और क्रिसमस का त्यौहार कैसे मनाया ? दस वाक्य लिखो। शीतकालीन अवकाश में अखबार पढ़कर 20 नए शब्द लिखो । 'सर्दी आई' कविता को पढ़कर याद करो । निम्नलिखित पाठ के प्रश्न-उत्तर व अभ्यास कार्य याद करें । <ol style="list-style-type: none"> जब मुझको साँप ने काटा कब आऊँ कठपुतली बनाकर उससे एक नाटक प्रस्तुत करो और उस नाटक को रिकार्ड करके भेजो । "मिर्च का मज़ा" कविता याद करो और आवाज़ रिकॉर्ड करके व्हाट्सएप पर भेजो। 																												
III A/III B/IV A/IV B	ART	Draw and paint 3 separate posters on the culture of Rajasthan . Mention your name and class on each painting.																												
IV A/IV B	EVS	<ol style="list-style-type: none"> Make a list of the cabinet ministers of Central Government of India. Draw a Flower plant and label it's different parts. Collect information about the five Agricultural tools. Label name of all states and neighboring countries in Political Indian Map. Collect the following information about the following countries:- <table border="1"> <thead> <tr> <th>Country</th> <th>Capital</th> <th>Language</th> <th>Currency</th> </tr> </thead> <tbody> <tr> <td>Japan</td> <td></td> <td></td> <td></td> </tr> <tr> <td>USA</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Afganistaan</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Russia</td> <td></td> <td></td> <td></td> </tr> <tr> <td>France</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Italy</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <ol style="list-style-type: none"> Make a model of Kutcha House / Pucca House(Any one). 	Country	Capital	Language	Currency	Japan				USA				Afganistaan				Russia				France				Italy			
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IV A/IV B	HINDI	<ul style="list-style-type: none"> स्वतंत्रता की ओर पाठ से 10 कठिन शब्द लिखिए और उनका वाक्य प्रयोग कीजिए। महात्मा गांधी या अन्य किसी स्वतंत्रता सेनानी पर 2 पेज का एक लेख लिखिए रविवार के दिन अपनी सुबह से लेकर रात्रि तक की दिनचर्या लिखिए अपनी पुस्तक से कोई 10 शब्द और विलोम शब्द लिखे 																												

IV	ENG	<p>Write 20 action words from the chapters HIYAWATHA and THE SCHOLAR'S MOTHER TONGUE also change the same in present form.</p> <p>Learn chapters 6 to 9.</p> <p>Draw picture of a camel and write its importance in Rajasthan.</p>
IVA/IV B	MATHS	<ol style="list-style-type: none"> 1. Learn table from 2 to 20 2. Make your own floor pattern in your notebook (3 types). 3. Make a beautiful pattern by using match sticks or other things on a Chart paper. 4. Revise all the work done in your notebook. 5. Use your toy balance (make using waste material) to compare heavier things e.g. water bottle or cricket ball, etc. 6. Write Roman numbers from 1 to 15.
VA	EVS	<ol style="list-style-type: none"> 1. Poster making on importance of hygiene on perspective of "Covid-19" 2. Practising location of states on the map of India. 3. Learn and revise Questions-Answers of Chapter from 12 to 17. 4. Paste pictures of <ul style="list-style-type: none"> .Dams in India .National games of 10 countries .Dance of any 5 states. .Any 5 sports women. 5. Write down your ideas about "how we can maximize use of renewable energy." You can also suggest your ideas by poster making or by any drawing.
VA	ENG	<p>Make a puppet of Rip Van Winkle by using the waste material .</p> <p>Discuss about the problems of our society or any other topic with your parents and make video of that discussion(3-5 minutes). (Note:- Students have to speak in English.)</p> <p>Narrate a story with proper pronunciation of words, facial expressions and voice modulation. Make a video(3-5 minutes)</p> <p>Take an interview of your parents and ask atleast 10 questions about their life.</p> <p>Write an essay on the topic- Topic:- Corruption</p> <p>Also suggest some ways to eradicate the corruption.</p> <p>Revise all the Chapters.</p>
VA	HINDI	<p>कक्षा 5 हिंदी चावल से बनने वाले किसी एक व्यंजन का नाम लिखिए उसे बनाने की विधि उसे बनाने की विधि सामग्री इत्यादि कॉपी में लिखें तथा घर पर बना कर उसका फोटो खींचें और उसे कॉपी में चिपकाए।</p> <p>गुरु और चेला कविता को याद करें।</p>

		<p>भारत में बहने वाली किन्हीं 10 नदियों के नाम लिखें तथा बताएं कि वे किस राज्य में बहती है।</p> <p>हिमालय के बारे में पांच बातें पता करें और उसे कॉपी में लिखें।</p> <p>बाघ और तीतर का चित्र बनाकर उसे काटे तथा उससे एक पपेट बनाएं।</p>
VA	MATHS	<p>1. Learn multiplication tables up to 20.</p> <p>2. Draw ground floor evacuation map of your School.</p> <p>3. Practice all exercises from chapters 6 and 7</p>
VIA	SCIENCE	<p>Q1. Draw a picture or diagram (on A4 size paper) or make a model of any one of the following.</p> <p>A plant with its different parts.</p> <p>OR</p> <p>A flower and its parts.</p> <p>OR</p> <p>Different types of foods which give energy or body building or protective.</p> <p>OR</p> <p>Pin hole camera</p>
VIA/VII A/VIIIA	ART	<p>Make a poster on culture of Rajasthan.</p> <p>2. Write an essay on the festivals of Rajasthan. Write it on chart paper and decorate it with drawings.</p> <p>3. Draw a map of Rajasthan.</p>
VIA	MATHS	<p>1. Make a table of marks obtained by you in half yearly exam and draw the bar graph with suitable scale.</p> <p>2. Note down the minimum and maximum temperature for a week and represent it on graph. (Separately)</p> <p>3. learn table upto 20</p> <p>4. Make a chart paper on different types of triangles.</p> <p>5. Revise and practice chapter 1 to 12.</p>
VIA	SANSKRIT	<p>1) अष्टमः, नवमः, दशमः पाठस्य अभ्यासप्रश्नानां उत्तराणि लिखत ।</p> <p>2) अधप्रदत्तशब्दसहायतया संस्कृतवाक्यानि रचयत-</p> <p>त्वम्, युवाम्, यूयम्, बालकेन, मुनयः, अतीवः, विद्यालयः, एतत्, वयम्, अहम् ।</p> <p>3) निम्नलिखितानां शब्दानां रूपानि लिखत</p> <p>बालकः, बालिका, नदी, मुनि, लता, फल</p>
VIA	HINDI	<p>1) अष्टम, नवम, दशम और एकादश पाठ का अभ्यासकार्य लिखकर गूगल क्लासरूम पर आपलोड कीजिये ।</p> <p>2) नीचे दिए गए विषयों में से किसी दो विषय पर निबंध लिखिए।</p> <p>अ) ऋतुराज वसंत, आ) स्वविद्यालय, इ) शीतकालीन अवकाश</p>

VIA	ENG	<p>1. Rewrite the following sentences after changing the Verbs into Past Tense.</p> <p>(i) They take shelter under a tree. (ii) The boys play match. (iii) John reads his lesson.</p> <p>2. Fill in the blanks with Simple Future Tense form of Verbs given in brackets:</p> <p>(i) The hunters -----(shoot) the lions. (ii) They -----(reach) here on Thursday.</p> <p>3. Write an application to the principal of your school, requesting him to arrange a picnic for your class.</p> <p>4. Write a story using the outlines given below and give a suitable moral of the story. Outlines :-A man and a hen laying a golden egg daily -----man wants to become rich overnight -----kills the hen -----finds no egg -- -----repents.</p> <p style="text-align: center;"><u>Literature</u></p> <p>1. How did Jumman as head panch decide the case of Algu and Sahu ? 2. Give a brief account of the Eid fair held in the narrator's (Rasheed's) village. How did the narrator and Bhaiya come to the Lucky Shop ? 3. What have certain doctors found about dreams ? 4. Who did Saeda's mother consult at last ? What did he advise her to do ?</p>
VIIA	Maths	<p>1. Write and learn all formulae of exponents and powers 2. Draw Two figures (each) having A>One line of symmetry B>Two line of symmetry C>Four line of symmetry D>rotational symmetry of order 2 Practice and revise chapter 1 to 13.</p>
VIIA	HINDI	<p>1) अष्टम, नवम, दशम और एकादश पाठ का अभ्यासकार्य लिखकर गूगल क्लासरूम पर आपलोड कीजिये। 2) नीचे दिए गए विषयों में से किसी दो विषय पर निबंध लिखिए अ) प्रिय कवि , आ) प्रिय ग्रन्थ इ) शीतकालीन अवकाश</p>
VIIA	ENG	<p>1) अधप्रदत्तशब्दसहायतया संस्कृतवाक्यानि रचयत- त्वम्, तत्, किम्, बालकाय, मुनयः, अतीवः, भोजनम्, एतत्, वयम्, एतत् । 2) निम्नलिखितानां शब्दानां रूपानि लिखत बालकः, बालिका, नदी, मुनि, लता, फल</p>

		<p>3) निम्नलिखितधातूनाम् लट्, लङ्, लृट्, विधिलिङ्, लोट् लकारे लिखत दा, पठ्, गम्, खाद्, ।</p> <p>4) अष्टमः, नवमः दशमः पाठस्य अभ्यासप्रश्नानां उत्तराणि लिखत ।</p>
VIIIA	ENG	<p>1. Fill in the blanks with suitable prepositions: (i) It has been raining -----morning. (ii) She has been waiting here -----a long time. (iii) He is fond -----music.</p> <p>2. Make verbs from the following words by adding appropriate suffix or prefix: Class ----- Terror ----- Pure ----- Company ----- Fresh -----</p> <p>3. Write a letter to your friend congratulating him/her for grand success in the exam.</p> <p>4. Write a notice in 50 words requesting to return your umbrella which was lost in school compound.</p> <p style="text-align: center;"><u>Literature</u></p> <p>1. What is fire ? How can we make a fire ? Discuss its advantages and disadvantages.</p> <p>2. Describe the incidents of chain-setting and gear case fixing in about 40-50 words.</p> <p>3. Describe the stranger who came to the pet shop. What did he want ?</p> <p>4. How did Chandni get out of the hut and reach the hills? How did she feel there?</p>
VIIIA	SANSKRIT	<p>1) अष्टमः, नवमः दशमः पाठस्य अभ्यासप्रश्नानां उत्तराणि लिखत ।</p> <p>2) अधप्रदत्तशब्दसहायतया संस्कृतवाक्यानि रचयत- त्वम्, युवाम्, यूयम्, बालकेन, मुनयः, अतीवः, भोजनम्, एतत्, वयम्, अहम् ।</p> <p>3) निम्नलिखितानां शब्दानां रूपानि लिखत बालकः, बालिका, नदी, मुनि, लता, फल</p> <p>4) निम्नलिखितधातूनाम् लट्, लङ्, लृट्, विधिलिङ्, लोट् लकारे लिखत दा, पठ्, गम्, खाद्, ।</p>
VIIIA	ENG	<p>1. Fill in the blanks using the synonym of the word given in the brackets.</p>

		<p>(i) This is a -----(deliberate) attempt to damage my image. (ii) The study will help to -----(evaluate) the impact of recent changes. (iii) Skydiving is a -----(hazardous) sport.</p> <p>2. Read the dialogue and complete the following passage by filling in appropriate words. Father : How are you getting on with your studies ? Son : Fine. I have stood third in clay modeling. Father : Good. How many students are there in that subject ? Son : Three only. Father asked his son (a) ----- . The son replied (b) ----- . He boasted that he had stood third in clay-modelling. The father approved of it. But then asked (c) -----in that subject. The son had to admit that there were only three.</p> <p>3. Write a letter to your cousin Justin inviting him to spend his winter break with you.</p> <p>4. Write a story in 100 – 120 words to illustrate the given below moral “Be careful while taking the advice of strangers”.</p> <p style="text-align: center;"><u>Literature</u></p> <p>1. Why do you think Firdaus Kanga tried playing the Spanish guitar Why does he regret it now? 2. What was the Kangaroo’s problem? How did the Duck solve it ? 3. In what way was September’s bird different from the parrots of her sisters ? How did September enjoy playing with it ? 4. What was Ranji hoping when he went to the pool the next day ? How did his hope get shattered?</p>
VIIIA	MATHS	<p>Revise the following chapters (I)Comparing quantities (II)Algebraic expressions and identities (III)Visualizing solid shapes (IV)Mensuration (V)Exponents and powers</p> <p>Do all the solved examples given in textbook.</p>
VIIIA	SCIENCE	<p>I Fill in the blanks given below with suitable words : 1 x5=5M</p> <p>1.Rearing honeybees for honey is called____. 2.____discovered the vaccine for small fox 3.Zinc reacts with sulphuric acid and give__and__. 4.____is called suicidal bags of the cell.</p>

5. Terylene is a _____ fibre.

II Give one word answer for the following 1 x5=5M

1. The shining property of metals is known as
2. The species that face the risk of extinction
3. Substances that cannot easily be decomposed by natural process
4. Compounds made up of carbon and hydrogen
5. A disease-causing microorganism is called?

III. State the following as true or false 1 x5=5M

1. Typhoid is a viral disease ()
2. Bakelite is used for making cooker handles ()
3. Mercury is the only metal that exists in liquid state ()
4. Plant cell has no cell wall ()
5. The Asiatic lion is an endangered species ()

IV. Choose the correct answer from the answer given below 1 x5=5M

1. Which one of the following is a thermoplastic
a) Bakelite b) Acrylic c) Melamine d) PVC
2. The part of the earth which supports life is known as
a) Ecosystem b) Sanctuary c) Biosphere d) atmosphere
3. The elements that possess the characters of both metals and non-metals
a) metals b) metalloids c) non-metals d) alloys
4. Which one of the following has the highest calorific value
a) petrol b) kerosene c) diesel d) LPG
5. Which of the following causes acid rain

- a. sulphurdioxide b) carbon dioxide c)hydrogen
peroxide d) calcium oxide V **Answer the following 2X**

6=12 M

1. a)Can the process of rusting be called combustion?
- b. Give reason why aluminum foils are used to wrap food items
2. Define the term 'Biosphere –Reserve'. Give an example.
3. Why are cells called structural and functional units of living organisms?
4. Which cell organ is called as-
 - 1.Power house of the cell and
 - 2.Kitchen of the cell.
5. Differentiate between manure and fertilizer with an example.

VI. Answer the following 3 x 6= 18 M

1. What do you mean by endemic species? Give two examples
2. What happens when
 1. Dilute sulphuric acid is poured on a copper plate?
 2. Iron nails are placed in a copper sulphate solution.
3. What do you mean by global warming? Write its effects
4. State some beneficial effects of bacteria (Any three important points).
5. Deforestation has greater effects on environment? Justify your answer.

.Answer the following 2 X 5=10 M

1. Draw a neat labeled diagram of a plant cell and name the parts.
2. Explain various agricultural practices commonly followed in our country

OR

State the causative organism and mode of Transmission in the following diseases.

Disease	Causative organism	Mode of transmission
1) Measles		
2) Cholera		

3) Malaria		
4) Tuberculosis		
5) Chicken fox		

I: Fill in the blanks in the suitable words 1 x 5=5M

1. In India crops are classified into_____and

2. _____used in the production of alcohol

3. The form of carbon that conducts electricity_____.

4. Sodium is stored in _____

5. The minimum temperature required for the fuel to catch fire is called_.

II. Choose the correct answer 1 x 5=5M

1. Which of the following is a method of food preservation?
()

a) Pasteurization b) Fermentation

c) Vaccination d) Use of antibiotics

2. _____is used for making parachutes()

a) Nylon b) polythene c) Polyester d) cotton

3. The luminous zone of a flame produces ()

a) oxygen b) carbon dioxide c) unburnt carbon particles

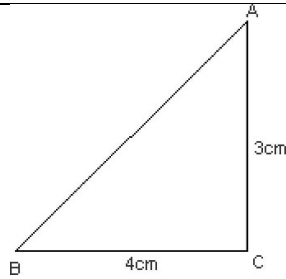
d) both a and c

		<p>4. Metallic oxides turn ___ litmus to ___()</p> <p>a)Blue-red b) red-blue c)red- colorless d)blue colour less</p> <p>5. Plasmodium causes ()</p> <p>a) Malaria b) hepatitis c)Cholera d)Typhoid</p> <p>III. Answer the following 2 x4=8M</p> <ol style="list-style-type: none"> 1. Why are coal and petroleum called non-renewable resources. 2. How have plastics become an environmental hazard? 3. What are communicable diseases? Give two examples. 4. State the advantages of ploughing the soil. <p>IV. Answer the following 3 x4=12 M</p> <ol style="list-style-type: none"> 1. What is rusting? How can it be prevented? 2. Distinguish between Fertilizer and manure 3. What are micro organisms? Name any two types of micro organisms 4. Explain two important methods of weeding and give names of two weeds. <p>V. Answer the following 2 x5=10M</p> <ol style="list-style-type: none"> 1. Draw a neat diagram of a flame and label the parts. 2. What is fractional distillation ? And list different constituents of petroleum <p style="text-align: center;">O r</p> <p>Write the important steps involved in agricultural practices.</p>
VIIIA	AI	<ul style="list-style-type: none"> • Prepare a word file on the latest developments in AI
VIIIA	HINDI	<p>उपसर्ग & प्रत्यय लिखें। 2- अलंकार- अनुप्रास, यमक ,श्लेष, उपमा, रूपक,उत्प्रेक्षा,अतिशयोक्ति अलंकार की परिभाषा एवम् उदाहरण 3-समास के भेद सोदाहरण लिखें। 4-अर्थ के आधार पर वाक्य सोदाहरण लिखें। 5-औपचारिक & अनौपचारिक पत्र 1-1 लिखें।</p>

		राजस्थान से संबंधित कहानी की प्रस्तुति पीपीटी बनाकर मेरे व्हाटसअप में 12-1-2021 तक भेजें।
V/VII/ VIII	ART	
IXA	BIO	<p>Q1. Why plants and animals are made up of different types of tissues?</p> <p>Q2. How will you differentiate a). parenchyma tissue from collenchyma. b) Meristematic tissue from permanent tissue.</p> <p>Q3. Write the functions of the following— a). nucleolus b). mitochondria c). golgi apparatus .d). Endoplasmic reticulum. e). lysosome</p> <p>Q4. What is a neuron? Explain the structure and function of neuron.</p> <p>Q5. What is cell sap? Differentiate cytosol from cytoskeleton.</p> <p>Q6. What are antibiotics? How do vaccination is different from immunization?</p>
IXA	SANSKRIT	<p>1) संस्कृत उपपद विभक्तिनाम् एकां तालिकां निर्माय एकं चलचित्रं निर्मातु ।</p> <p>2) निम्नलिखितानां शब्दानां रूपानि लिखत- किम्(त्रिषु लिंगेषु), तत्(त्रिषु लिंगेषु), एतत् (त्रिषु लिंगेषु)</p> <p>3) निम्नलिखितधातूनाम् लट्, लङ्, लृट्, विधिलिङ्, लोट् लकारे लिखत स्था, वस्, पा, अस्, लभ्</p> <p>4) नवमः, दशमः पाठस्य अभ्यासप्रश्नानां उत्तराणि लिखत ।</p> <p>5) रुग्णतायाः कारणात् अवकाश प्राप्तार्थं प्राचार्यं प्रति पत्रम् लिखत।</p>
IXA	HINDI	<p>उपसर्ग & प्रत्यय लिखें। 2- अलंकार- अनुप्रास, यमक, श्लेष, उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति अलंकार की परिभाषा एवम् उदाहरण 3-समास के भेद सोदाहरण लिखें। 4-अर्थ के आधार पर वाक्य सोदाहरण लिखें। 5-औपचारिक & अनौपचारिक पत्र 1-1 लिखें।</p> <p>राजस्थान से संबंधित कहानी की प्रस्तुति पीपीटी बनाकर मेरे व्हाटसअप में 12-1-2021 तक भेजें।</p>
IXA	ART	<p>1. 10 sketches (object, human, animal etc.) 2. 2 still life (pencil shading) 3. 2 still life (watercolour) 4. 2 Figurative composition (Market, railway station etc.) 5. 3d art(Rajasthani puppet) 6. Colour wheel 7. one Poster. Theme: the culture of Rajasthan</p>

		<p>All these 7 items should be kept in one file. File name should be the Name of the student_class_Art activity 2020. Example : if the name of the student is Benu.. File name should be : "Benu_IX_ArtActivity2020"</p> <p>This file must be uploaded in Google classroom Art Education class</p>
IXA	Maths	<p>Ch1- Number System and Ch -2 Polynomials</p> <p>If $x + y = 12$ and $xy = 32$, Find the value of $x^2 + y^2$.</p> <p>If $3x + 2y = 12$ and $xy = 6$, find the value of $9x^2 + 4y^2$.</p> <p>Write the following cubes in the expanded form: (i) $(3a + 4b)^3$ (ii) $(5p - 3q)^3$</p> <p>If $x^2 + 1/x^2 = 27$, find the values of each of the following: (i) (ii)</p> <p>If then evaluate $x^2 + 1/x^2$</p> <p>If $a + b + c = 15$ and $a^2 + b^2 + c^2 = 83$, find the value of $a^3 + b^3 + c^3 - 3abc$.</p> <p>Factorize: $6ab - b^2 + 12ac - 2bc$ (ii) $9(2a - b)^2 - 4(2a - b) - 13$</p> <p>If $x^3 + ax^2 - bx + 10$ is divisible by $x^2 - 3x + 2$, find the values of a and b.</p> <p>Using factor theorem, factorize each of the following polynomials: (i) $x^3 - 6x^2 + 3x + 10$ (ii) $2y^3 - 5y^2 - 19y + 42$</p> <p>Which one is not a polynomial (a) $4x^2 + 2x - 1$ (b) (c) $x^3 - 1$ (d) $y^2 + 5y + 1$</p> <p>Find the number of zeros of $x^2 + 4x + 2$.</p> <p>Find the value of k, if $(x - 1)$ is a factor of $4x^3 + 3x^2 - 4x + k$.</p> <p>Every whole number is a natural number write true or false.</p> <p>If find the value of $x^2 + y^2 + xy$. If find the value of $x^2 - y^2$.</p> <p>Determine rational numbers p and q if</p>

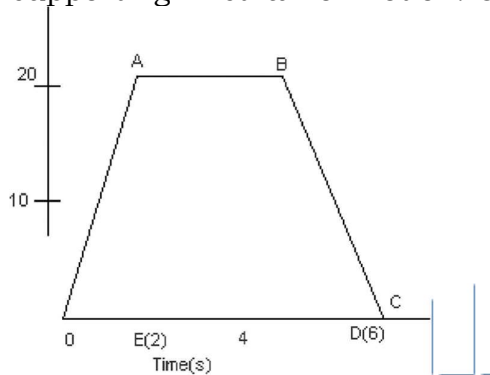
		<p>Simplify: Simplify: Show that: If: then find the value of $qx^2 - 2px + q$. Show that: If $2a = 3b = 6c$ then show that If $x = 2$ and $x = 0$ are zeroes of the polynomial $2x^3 - 5x^2 + px + b$, then find the value of p and b.</p> <p>Simplify and factorise $(a + b + c)^2 - (a - b - c)^2 + 4b^2 - 4c^2$.</p> <p>If $a + b + c = 6$ and $ab + bc + ca = 11$, find the value of $a^3 + b^3 + c^3 - 3abc$.</p> <p>The polynomial $bx^3 + 3x^2 - 3$ and $2x^3 - 5x + b$ when divided by $x - 4$ leave the Remainders R_1 and R_2 respectively. Find the value of b if $2R_1 - R_2 = 0$.</p> <p>If $f(x) = x^4 - 4x^3 + 3x^2 - 2x + 1$, then find whether $f(0) \times f(-1) = f(2)$.</p> <p>28. Prove that: $(x+y)^3 + (y+z)^3 + (z+x)^3 - 3(x+y)(y+z)(z+x)$. Verify if $\frac{1}{2}$ and $-\frac{3}{2}$ are zeroes of the polynomial $8x^3 - 4x^2 - 18x + 9$. If yes, then factorise the polynomial. Using long division method, show that the polynomial $p(x) = x^3 + 1$ is divisible by $q(x) = x + 1$. Verify your result using factor theorem.</p> <p>ACTIVITIES</p> <ol style="list-style-type: none"> Join equivalent rational numbers given on the boundary of rectangles to obtain a star. Construct a square root spiral . <p>MIND MAP</p> <p>REVISE AND PRACTICE CHAPTER 1 TO 13 (EXCEPT DELETED CHAPTER</p> <p>SOLVE THE GIVEN QUESTION PAPER.</p>
IXA	PHYSICS	<p>Q . 1. Define SI unit of force.(1)</p> <p>Q . 2. A body is moving with a uniform speed of 15 m/s on a circular track. Why is its motion called acceleration motion.(1) Q</p> <p>. 3. What is the distance travelled and displacement of a body as it moves from A to B via C.(2)</p>



Q . 4. A motor boat starting from rest on a lake accelerates in a straight line at a constant rate of 2m/s^2 for 4 seconds. How far does the boat travels during this time.(2)

Q . 5. Name the force which keeps various planets in their orbits. Write down the formula for the force which exists between two bodies of mass m_1 and m_2 separated by a distance R from each other.(2)

Q . 6. State Newton's second law of motion. A ball is thrown on a smooth surface with a force and it stops after some time. Is it supporting First law of motion. Give reasons for your answers.(2)



Q . 7. Velocity-time graph of a body is given above. Answer the following questions (3)

- Which part of the graph shows uniform acceleration.■
- Which part of the graph shows uniform retardation.
- Calculate the total distance travelled by the body.
- Which part of the graph shows zero acceleration.(3)

Q . 8.

- Derive the first equation of motion $v=u + at$ graphically.
- Write the equation describing the principle of conservation of momentum.
- Why does the Gun recoil when a bullet is fired from it. (5)

IXA	Computer	• Design a webpage of your choice
XIA	BIO	Q1. Who proposed the fluid mosaic model of plasma membrane?

		<p>Describe the fluid mosaic model of plasma membrane with the help of labelled diagram.</p> <p>Q2. How will you differentiate a prokaryotic cell from a eukaryotic cell ? Give five points.</p> <p>Q3. Write the functions of the following— a). nucleolus b). mitochondria c). golgi apparatus .d).Endoplasmic reticulum. e). lysosome</p> <p>Q4. Enzymes are classified into different groups based on the reaction they catalyse. Write the names and functions of each group of enzymes.</p> <p>Q5. Explain the structural level of protein.</p> <p>Q6. Differentiate a nucleotide from a nucleoside. Give the structural formula of a). adenine b). glycine c) .alanine d). Maltose</p> <p>Q7. What are biomacromolecules? Which macromolecules in the cell have phosphodiester bonds? Differentiate DNA from RNA by giving 5 points.</p>
XA	ART	<ol style="list-style-type: none"> 1. Draw and paint a Poster on rajasthani culture& literature. 2. 1 still life (pencil shading) 3. 1 still life (watercolour) 4. 2 Figurative composition (Market, railway station etc.) 5. 3d model : Rajasthani puppet 6. Write and draw about Rajasthani architecture on a chart paper. Decorate it. <p>All these 6 items should be kept in one file. File name should be the 'Name of the student_class_Art activity 2020' . Example : if the name of the student is Benu.. File name should be : "Benu_X_ArtActivity2020"</p> <p>This file must be uploaded in Google classroom Art Education class, class code :ppnov4x.</p>
XA	Computer	*Design a webpage of your choice
XA	SANSKRIT	<ol style="list-style-type: none"> 1) संस्कृत प्रत्ययानाम् एकां तालिकां निर्माय एकं चलचित्रं निर्मातु । 2) संस्कृते दशपत्रानाम् अभ्यासं कृत्वा लिखन्तु 1 3) षष्ठ, सप्तमः , अष्टमः पाठस्य अभ्यासप्रश्नानां उत्तराणि लिखत ।
XA	ENG	<p>Q1- Did Lencho tries to find out who had sent him the money? Why/Why not? Ans- No, Lencho did not try to find out who sent the money to him. Because he thought that it would be only God who would send him the money. It signifies his strong faith in God.</p>

Q2- Two kinds of conflicts are shown in the story: between humans and nature, and between humans themselves. Explain how these conflicts are illustrated?

Ans- The conflict between humans and nature is shown through hailstorm which destroys Lencho's crops. The violence of nature through rain shows the conflict between the two.

The other conflict shown is between humans themselves where Lencho blames post office employees for stealing his money. But in fact, they were the ones who were collecting and sending him the amount and were signing the letter God. This shows the lack of faith that humans have on each other.

Q3- Who does Lencho have complete faith in?

Ans- Lencho had complete faith only in God. Many of his statements from the prose indicate that.

Q4- Why the postmaster send the money to Lencho? Explain why does he sign the letter 'God'?

Ans- The postmaster sent the money to Lencho so that his faith in God will remain alive.

Important Questions of Chapter 2- Nelson Mandela Long Walk to Freedom

Q1- What ideals were set by Nelson Mandela for the future of South Africa?

Ans- Mandela pledged to liberate all South Africans from suffering, deprivation, poverty, gender, and other discrimination. He set high hopes for South Africa where no one will ever face any form of discrimination again.

Q2- Why such a large number of international leaders attended the inauguration? In what way it signified the triumph?

Ans- South Africa was in the grips of apartheid before Nelson Mandela became the President. The country was declared an outlaw by other nations. Nelson Mandela abolished apartheid and rebuilt the diplomatic relations with other countries. To celebrate this historic moment in South Africa, many International leaders attended the inauguration and celebrated the victory of peace.

Q3- What Mandela means when he says he is "simply the sum of all those African patriots" who had gone before him?

Ans- Through this statement, Mandela means that he can identify with the sacrifices of all those noble and courageous men who contributed and fought for the collective freedom of the African people.

Q4- Nelson Mandela mentions 'Twin Obligations'. Explain

Ans- The twin obligations that Mandela speaks is the obligations to his parents, his wife and children, his family; and other obligation is towards his country, his people and his community.

Important Questions of Chapter 3- Two Stories About Flying

Q1- "The sight of the food maddened him." What this statement suggests? What made the young seagull to finally fly?

Ans- The young seagull was very hungry and it was this hunger that ultimately made it fly. Not being able to control its hunger, it dived at the food which was in its mother's beak and his hunger overpowered his fear of the sea. The natural reaction of its body was only to fly.

Q2- "They were beckoning to him, calling shrilly." Why do you think the seagull's father and mother threaten him and cajole him to fly?

Ans- The young seagull was afraid to fly and take its first flight. Even after seeing its brothers and sisters flying, and its parents helping them, it could not gather the courage to fly. This was the reason its father and mother were calling to it shrilly and scolding it.

Q3- Describe in detail the narrator's experience as he flew the Aeroplane into the storm.

Ans- Once the narrator flew in the storm, everything went black. Along with the compass, the other instruments, including the radio, were also dead. The narrator saw another Aeroplane and its pilot waved at him in the dark clouds. The narrator was happy to find help in that situation.

Q4- Why the narrator says, "I landed and was not sorry to walk away from the old Dakota...?"

Ans- The narrator was happy to walk away from old Dakota because of the horrible experience that he had in the storm.

Important Questions of Chapter 4- From the Diary of Anne Frank

Q1- Was Anne correct when she said that the world would not be interested in the musings of a thirteen-year-old girl?

Ans- No, Anne was not correct when she said that the world would not be interested in the musings of a thirteen-year-old girl. Her diary was translated and published under the name 'The Diary of a young girl' which is still a popular read all around the world.

Q2- Why Mr. Keesing use to call Anne 'an incorrigible chatterbox'?

Ans- He called her an 'incorrigible chatterbox' because of her habit of talking in the class, which annoyed him a lot.

Q3- What Anne writes in her first essay?

Ans- In her first essay which was titled 'A Chatterbox', Anne planned on coming up with valid arguments that prove the necessity of talking and why is it important.

Q3- Why Anne needed to give a brief sketch about her family? Does she treat 'Kitty' as an insider or an outsider?

Ans- Anne provided a brief sketch of her life otherwise no one had understood her story. She treated Kitty as an insider as it was her best friend.

Q4- Anne says teachers are most unpredictable. Is Mr. Keesing unpredictable? How?

Ans- Anne felt that the teachers were the most unpredictable. Mr. Keesing can be considered unpredictable because he seemed to be annoyed with the constant talking habit of Anne but gave her only an essay to write as punishment.

Important Questions of Chapter 5- The Hundred Dresses- 1

Q1- In what way Wanda feel about the dresses game? Why does she say that she has a hundred dresses?

Ans- Wanda did not show any feelings regarding the game, however, it is most likely that she was deeply hurt. It might be one of the reasons why her family left the place and moved to the city.

She says she has a hundred dresses because she had only dressed to wear to school and probably it was her fantasy to possess a hundred dresses. The other children would have laughed at her maybe that's why she exaggerated.

Q2- What does Miss Mason think of Wanda's drawings? What do the children think of them? How do you know?

Ans- Miss Mason mentioned that Room Thirteen should be proud of Wanda because she had drawn one hundred beautiful dresses with unique designs and style.

The children of the class also admired the drawings. They all whistled and admired at the drawings of Wanda.

Q3- In What way Wanda is seen differently by the other girls? How do they treat her?

Ans- Wanda was different from all the other girls as she did not have any friends. She came to school alone and also went home alone. She wore a blue faded dress because of which all the other girls use to tease her and ask her how many dresses she has.

Q4- Why Maddie stand by and not do anything? In what way she is different from Peggy? (Was Peggy's friendship important to Maddie? Why? Which lines in the text tell you this?)

Ans- Maddie never did anything as she was afraid that she would be the next target of the children. She herself was poor. She was different from Peggy as Peggy was a rich girl. They both were best friends and it seemed as if she was in awe of Peggy.

Lines from the text that shows that Peggy's friendship was important to Maddie are as follows:

Maddie was absolutely sure that Peggy would win in the drawing.

Maddie always thought that Peggy can never do anything wrong.

Important Questions of Chapter 6- The Hundred Dresses- 2

Q1-Was Maddie right in thinking that her silence was as bad as Peggy's teasing?

Ans- Yes, Maddie was right in thinking that her silence was as bad as Peggy's teasing. A person who sees something wrong happening and doesn't act on it is as much an offender as the person committing the offense.

Q2- What reason can you think of because of which Wanda's family moved to a different city? Do you think life there was going to be different for their family?

faced ridicule and mockery because of their long and different names. Life could still be difficult for them as they could be teased about various other things in the other city as well.

Q3- What important decision Maddie made? Why did she have to think hard to do so?

Ans- The important decision that Maddie made was that she would never stand by. If she ever heard anybody picking on someone, she will say something. She will not let anyone make fun of anyone's look or because they had strange names, she would speak up. She was feeling guilty for not saying anything when everybody else was teasing Wanda. This guilt made this decision so hard.

Q4- Do you think Wanda realized that the girls were teasing her? Why or Why not?

Ans- Wanda was aware that the girls were teasing her and making fun of her dress and her financial situation. That's why she exaggerated having a hundred dresses.

Important Questions of Chapter 7- Glimpses of India

Q1-How is bread an important part of life in Goa?

Ans- Bread is an important part of Goan life as they are part of the food for every occasion or event. Sweetbreads are given as marriage gifts as well. The love of bread in Goa can be known through the success of a bakery as a profitable profession.

Q2- Where is Coorg situated?

Ans- Coorg is a small district of Karnataka. It is located midway between Mysore and Mangalore.

Q3- Discuss the story about the Kodavu people's descent?

Ans- As per the author, the people of Coorg are possible of Greek or Arabic descent. A part of Alexander's army moved south along the coast, they settled there and married amongst the locals. Their culture is pretty evident through marriage, religious rights which are very distinct from the Hindu tradition.

Q4- What makes the elders in Goa nostalgic?

Ans- The good old Portuguese days, the Portuguese, and the loaves of bread makes the elders of Goa nostalgic.

Important Questions of Chapter 8- Mijbil the Otter

Q1- What are the things that we come to know about otters from this text?

Ans- Otters are from a comparatively small group of animals called Mustellines. Maxwell's otter was of a race that was previously unknown to science. It was named by zoologists Lutrogale perspicillata maxwelli or Maxwell's otter.

Q2- Why is Mij's species now known to the world as Maxwell's otter?

Ans- Maxwell's otter was from a race that was previously unknown to science and was at length named by zoologists Lutrogale perspicillata maxwelli or Maxwell's otter.

Important Questions of Chapter 9- Madam Rides the Bus

Q1- Valli shows extraordinary courage by traveling on the bus all alone. Discuss

how ability and courage are essential to fulfill one's dream.

Ans- It shows true courage to fulfill one's dreams. The same way Valli showed courage by traveling on the bus all alone.

Q2- Why the conductor refers to Valli as 'madam'?

		<p>Ans- When the conductor offered to help her get on the bus, Valli said confidently that she could get on by herself. She did not act like a child, but as a grown-up girl, that's why the conductor called her 'madam'.</p> <p>Important Questions of Chapter 10- The Sermon at Benares</p> <p>Q1- Life is full of trials and tribulations which anyone can overcome through his or her own efforts. Explain this with reference to Kisa Gotami's Life.</p> <p>Ans- Kisa Gotami's story speaks of mortal human beings who must face death and suffering. It is a lesson that is about overcoming personal tragedies and moving on in life.</p> <p>Q2- When Kisa Gotami's son dies, she goes from house to house. What does she ask for? Does she get it? Why not?</p> <p>Ans- When Kisa Gotami's son passes away, she goes from house to house asking for medicine that can cure her child. No, she does not get any medicine because her child was already dead and no medicine can have brought him back to life.</p> <p>Important Questions of Chapter 11- The Proposal</p> <p>Q1- What does Chubukov suspect at first that Lomov has come for? Is he sincere when he later mentions "And I've always loved you, my angel, as if you were my own son"? Give reasons for your answer from the play</p> <p>Ans- Chubukov suspected at first that Lomov had come to borrow money. He was not at all sincere when he told Lomov that he was like his own son and he had always loved him.</p> <p>Q2- Chubukov says of Natalya: "... as if she won't consent! She's in love; egad, she's like a lovesick cat..." Would you agree? Give reasons for your answer.</p> <p>Ans- Chubukov considered Lomov as a good marriage prospect for his daughter. When Lomov shows doubt, Chubukov told Lomov that Natalya was in love with him. It seemed like she was more in love with her dogs, lands, and meadows than to Lomov</p>
XIA	ENG	<p>Study and understand the following lessons from snapshots</p> <ol style="list-style-type: none"> 1. Ranga's Marriage 2. Mother's Day
XIA	HINDI	<p>1-अभिव्यक्ति के माध्यम के प्रश्नोत्तर लिखें और याद करें। 2- कविता, कहानी, उपन्यास, एकांकी के तत्वों को लिखो और याद करो। औपचारिक तथा अनौपचारिक पत्र के प्रारूप को लिखो। पाठान्त में दिए गए प्रश्नों को याद करो।</p> <p>राजस्थान से संबंधित कहानी की प्रस्तुति पीपीटी बनाकर मेरे व्हाटसअप में भेज दें।</p>
XIA	CS	<ul style="list-style-type: none"> • Completion of Practical record • Completion of work assigned in Google classroom
XIA	PHY	<ol style="list-style-type: none"> 1. How many times is millisecond larger than a microsecond? 2. Define Astronomical unit and par sec. 3. The density of wood is 0.5g/cc what is its value in SI? 4. What is the dimensional formula for universal constant of gravitation (g)?

5. What are the dimensions of a/b in the relation $\mathbf{F} = \mathbf{ax} + \mathbf{b t}$?
6. Calculate percentage error in the determination of $g = 4.2t^2$, when l and t are measured with 2% and $\pm 3\%$ errors respectively.
7. State the number of significant figures in $2.64 \times 10^4 \text{kg}$?
8. What will be the nature of position-time graph for a uniform motion?
9. What is the magnitude and direction of $(\mathbf{i} + \mathbf{j})$?
10. What is centripetal acceleration? What is its direction in case of uniform circular motion?

11. Find a unit vector perpendicular to each of the vector $3\mathbf{i} + \mathbf{j} + 2\mathbf{k}$ and $2\mathbf{i} - 2\mathbf{j} + 4\mathbf{k}$.
12. Show that walking of a man is accounted by resolution of vectors.
13. Explain the principle of homogeneity of dimensions?
14. What do you mean by inertial and non inertial frame of reference? Give 1 example of each?
15. Draw v-t graph of a uniformly accelerated motion in one dimension and explain that the distance travelled is equal to the area under v-t graph.
16. Write some silent features of gravitational forces and weak forces?
17. What are the advantages of SI?
18. When one meter, one kg and one minute are taken as fundamental units, the magnitude of a force is **36** units. What is the value of this force on c.g.s system?
19. The length and breadth of a rectangular block are **25.2cm** and **16.8cm**, which have both been measured to an accuracy of **0.1cm**. Find the area of the rectangular block.
20. Show that $\mathbf{A} = \mathbf{i} - 5\mathbf{j}$ and $\mathbf{B} = 2\mathbf{i} - 10\mathbf{j}$ are parallel to each other.
 - (1) Find (a) equation of path (b) time of flight (c) horizontal range, of a projectile projected horizontally from a certain height.
 - (2) A projectile given angular projection is fired with kinetic energy **1kj**. If the range is maximum what is its kinetic energy at the highest point?

21. (a) Write any three limitations of dimensional analysis?
 (b) The wavelength (λ) of matter waves may depend upon plank's constant (h) mass (m) and velocity (v) of the particle. Use the method of dimension to drive the formula.

22. From the velocity time graph of uniform accelerated motion deduce the equation of motion in (a) velocity and time (b) distance and time (c) distance and velocity.

XIA	MATHS	<p>Q. No. 1 (i) Write all the subsets of the set $A = \{1, a\}$. (ii) Write down all the proper subsets of the set $\{1, 2, 3, 4\}$.</p> <p>Q. No. 2 Write the following sets in the set builder form: (i) $P = \{2\}$ (ii) $S = \{1, 3, 9, 27\}$ (iii) $W = \{1, 4, 9, 16, 25, \dots\}$</p> <p>Q. No. 3 Find the domain and range of the following relations (i) $R = \{(x, y) : x \in \mathbb{N}, y \in \mathbb{N} \text{ and } x + y = 10\}$ (ii) $R = \{(x, y) : x, y \in \mathbb{N}, \text{ and } x^2 + y^2 \leq 20\}$ In each of the above cases verify that $R^{-1} = R$.</p> <p>Q. No. 4 Find the domain and range of the function $f(x) = \sqrt{x^2 - 3x + 2}$</p> <p>Q. No. 5 The number of sides of two regular polygons are in the ratio 5 : 4 and difference between their interior angles is 6°. Find the number of sides in the two polygons.</p> <p>Q. No. 6 (i) If $\tan \alpha = \frac{1}{5}$ and $\tan \beta = \frac{1}{239}$, show that $\tan(4\alpha - \beta) = 1$. (ii) Prove that $\sqrt{2 + \sqrt{2 + 2 \cos 4\theta}} = 2 \cos \theta$, $-\frac{\pi}{4} \leq \theta \leq \frac{\pi}{4}$.</p> <p>Q. No. 7 (i) Find x and y if $\frac{(1+i)x - 2i}{3+i} + \frac{(2-3i)y + i}{3-i} = i$, where $i = \sqrt{-1}$ and $x, y \in \mathbb{R}$. (ii) If $(x + iy)^3 = u + iv$, where $u, v, x, y \in \mathbb{R}$, then show that $\frac{u}{x} + \frac{v}{y} = 4(x^2 - y^2)$.</p> <p>Q. No. 8 Taking $z_1 = 12 + 5i$ and $z_2 = 3 - 4i$, verify that $\left \frac{z_1}{z_2} \right = \frac{ z_1 }{ z_2 }$</p>
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		<p>Q. No. 9 The longest side of a triangle is 3 times the shortest side and the third side is 2 cm shorter than the longest side. If the perimeter of the triangle is at least 61 cm. Find the minimum length of the shortest side.</p> <p>Q. No. 10 Exhibit graphically the solution set of the following systems of inequations:</p> $x + y \leq 5, 4x + y \geq 4, x + 5y \geq 5, x \leq 4, y \leq 3$
XIIA	ENG	<p>Question 1: Your friend Isha Gulati has invited you to attend a play in which she will be performing. You cannot attend it as you have your brother's wedding on the same day. Write a polite letter in not more than 50 words, expressing your inability to attend the play and give her your best wishes. You are Nisha/Nishant of 27, Rajpura Colony, Delhi. (4)</p> <p>You want to hire a Social Science teacher to coach your daughter in Class X, who is weak in this subject. Draft a suitable advertisement in not more than 50 words to be inserted in the classified columns of 'The Hindu' giving all necessary details. You are Ms Manisha Malik, 102 Gandhi Colony, Davangere.</p> <p>You are Shrishti/Sashwat of 16, Civil Lines, Patna. You have seen an advertisement in 'The Hindustan Times' for the post of Event Manager in Whizcraft Pvt Ltd. Apply for the job with complete bio-data. Write in 125-150 words. (6)</p> <p>You are Sarvesh Mathur of 101, MG Road, Nampally, Hyderabad. Recently you bought a Wide Screen LED TV set from 'Sunil Traders', 83, Gopalan Market, Secunderabad. The TV developed a problem within a month of purchase. Write a letter to the dealer giving details of the nature of the problem and asking them to rectify the defect or replace the set.</p> <p>Recently the success of the Indian space mission to Mars was in the news. Write an article in 150-200 words on 'Mangalyaan a feather in India's Cap. You are Saroj/Sameer.</p> <p>Children living in cities nowadays do not play outdoors much because they are too busy with other attractions like computer / mobile games or watching television programmes. Write a speech in 150-200 words</p>

		<p>for the morning assembly highlighting the need and value of outdoor games. You are Sameer / Saira.</p>
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The news channels on TV give us instant news from every part of the world. But the importance of the newspaper remains intact. Write a speech for the morning assembly in 150-200 words expressing your views on 'The Relevance of Newspapers.', You are Kamal.