KENDRIYA VIDYALAYA KOKRAJHAR
SUMMER VACATION HOMEWORK
SESSION 2023-24

Class Subject Homework

Class	Subject	Homework
IIA	EVS	1) Our Family .
IIA	MATH	1. Learn and Write 2 to 5 Table on A4 Size Paper. 2. Write Number Name 1 to 100 on A4 Size Paper. 3. Make 5 Different Shapes Like Circle, Square etc. on A4 Size Paper and Colour also.
IIA	HINDI	1. ऊंट चला कविता याद करें। 2.भालू ने खेली फुटबॉल और म्याऊं म्याऊं पाठ पढ़ें और मात्राओं की पहचान करें। 3.अपनी सुलेख की कॉपी में रोज एक पेज सुंदर सुलेख लिखें।
IIA	ENGLISH	1. Read one page of your book everyday. 2. Prepare a beautiful greeting card on the occasion of "Father's Day". Write 5 sentences about your father on that card. 3. Learn the poem First Day at school and I am Lucky.
IIB	EVS	1) Our Family .
IIB	MATH	1. Learn and Write 2 to 5 Table on A4 Size Paper. 2. Write Number Name 1 to 100 on A4 Size Paper. 3. Make 5 Different Shapes Like Circle, Square etc. on A4 Size Paper and Colour also.
IIB	HINDI	1. ऊँट चला कविता याद करें। 2.भालू ने खेली फुटबॉल और म्याऊं म्याऊं पाठ पढ़ें और मात्राओं की पहचान करें। 3.अपनी सुलेख की कॉपी में रोज एक पेज सुंदर सुलेख लिखें।
IIB	ENGLISH	1. Read one page of your book everyday. 2. Prepare a beautiful greeting card on the occasion of "Father's Day". Write 5 sentences about your father on that card. 3. Learn the poem First Day at school and I am Lucky.
IIIA	EVS	1)1)Read your EVS Book daily. 2)Learn and write the chapters (Ch-1,2,3) from your book and copy. ACTIVITIES :- 1)Who is your favourite animal? Draw and colour/ paste its picture. 2)Name the National Bird of India. Colour and decorate it. 3)Take an empty bottle/unused plastic box and plant any available plant in it. Name your plant and take a very good care of it. See your plant is growing with you. Present it on school reopen. 4)Write a few lines on WORLD FOOD SAFETY DAY. (Celebrated on 7th June).

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IIIA	MATH	1)learn table from 2-15. 2) Make some designs of rangoli patterns which have geometrical shapes on a A4 size paper. (3) Make a paper clock
IIIA	HINDI	ग्रीष्मावकाश कार्य 1. अपने सुलेख की कॉपी में रोज एक पेज सुंदर सुलेख लिखिए। 2. "हमसे सबसे कहते" कविता को याद कीजिए। 3. पाठ "कक्कू" से लेकर "बहादुर बितो" तक सभी प्रश्न - उत्तर ,खाली स्थान, मिलान करो और विलोम शब्द याद करो। MDP 1. अपने पसंद के 3 जानवरो का मुखौटा बनाइए ।(5) 2. जिन भी जानवरो का मुखौटा बनाया है उनमे से किन्ही दो जानवरो से संबंधित वाक्य लिखो (10)
IIIA	ENGLISH	1.Learn the poem 'Good Morning'. 2.Read the chapter 'The Magic Garden' and find the naming words and action words. 3.Do one page handwriting in handwriting notebook.
IIIB	EVS	1)1)Read your EVS Book daily. 2)Learn and write the chapters (Ch-1,2,3) from your book and copy. ACTIVITIES :- 1)Who is your favourite animal? Draw and colour/ paste its picture. 2)Name the National Bird of India. Colour and decorate it. 3)Take an empty bottle/unused plastic box and plant any available plant in it. Name your plant and take a very good care of it. See your plant is growing with you. Present it on school reopen. 4)Write a few lines on WORLD FOOD SAFETY DAY. (Celebrated on 7th June).
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IIIB	ENGLISH	1. Learn the poem 'Good Morning'. 2. Read the chapter 'The Magic Garden' and find the naming words and action words. 3. Do one page handwriting in handwriting notebook.
III A/B	COMPUTER	1. What is a computer? 2. Write down the steps of how to start and shut down a computer. 3. What is mouse dragging how does it done. 4. What is the various component of Tux paint? 5. How to save a drawing in Tux paint
IVA	EVS	1.learn chapter 1-3 2. Paste four medicinal plants in A4 size paper and write their medicinal valvue in few santences 3. write name and paste pictures and of four animal who lives in groups
IVA	MATH	1. Learn and write table from 2 to 20. 2. Measure the height of your family members in centimetres and write it. 3. Make a list of 10 things that you can measure in metres and centimetres.
IVA	HINDI	3.Write and paste pictures of any 4 animal who lives in group.
IVA	ENGLISH	1.What is your favourite flower? How do you take care of it? Also paste or draw picture of your favourite flower. 2. Write your daily routine with time. 3. Read the chapters "Wake up!" and "Neha's alarm clock". And note down10 nouns(naming words),10 Verbs(action words) and 10 Adjectives (describing words). 4.Learn all the work done in notebook.
IVA	ART EDUCATION	1.Draw and colour 3 separate drawings Topic : your choice . Mention your name and class on each painting.

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IVB	EVS	"1.learn chapter 1-3 2. Paste four medicinal plants in A4 size paper and write their medicinal valvue in few santences 3. write name and paste pictures and of four animal who lives in groups "
IVB	MATH	1.Learn and write table from 2 to 20. 2.Measure the height of your family members in centimetres and write it. 3.Make a list of 10 things that you can measure in metres and centimetres.
IVB	HINDI	3.Write and paste pictures of any 4 animal who lives in group.
IVB	ENGLISH	1.What is your favourite flower? How do you take care of it? Also paste or draw picture of your favourite flower. 2. Write your daily routine with time. 3. Read the chapters "Wake up!" and "Neha's alarm clock". And note down10 nouns(naming words),10 Verbs(action words) and 10 Adjectives (describing words). 4.Learn all the work done in notebook.
IVB	ART EDUCATION	1.Draw and colour 3 separate drawings Topic : your choice . Mention your name and class on each painting.
IV A/B	COMPUTER	1. The tux paint main screen is divided into _____ sections. A. Four B. Three C. Two D. Five 2. The_____ shows tips and information about the selection tool while drawing on the drawing canvas. 3. The color palette is located just below the drawing canvas. State true or false 4. What is a stamp tool? 5. When you open Tux Paint you will get the image, which is saved recently. How to load a new picture on the storyboard?
VA	EVS	1. Draw a Map of India on 1/4th Part of Chart Paper and Write the names of all the States in it. 2. Draw the Water Cycle on 1/4th Part of Chart Paper. 3. Draw A Solar System on1/4th Part of Chart Paper. 4.Write A Short note of Sloth Animal. 5.Write A short Note of Mamdi Tandra Recipe.
VA	MATH	"HOLIDAY HOMEWORK MDP 1. Make a weighing balance and weights using scrap material. 2. List the food items that you purchase in grams, Kg, Litres. 3. Does same weight packet has same same size as well(For eg: Compare 500 gms of Popcorn to 500 gms of rice). 4. Stick/ Draw pictures of 5 Items each purchased in Gm, Kg & litre. 5. Learn table from 2 to 20.

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VA	HINDI	के ंद5kय विदयालय भरतपुर ्ीेॄमकालकन अवकाश गृहकाय[(2020-21)
		क₡◌ – पाँचवीवग[– बविषय – हिंदक विषयाÚयापक – सुी शाdभवी धीर ्े9न 1. नीचे दिए गए पाठं को याद करΛ ।
		(क) राख कà रंेसी
		(ख) फ़सलं के ×योहार
		(ग) खिलौनेवाला
		्े9न 2. नीचे लिखे भारत के रांॅयं मΛ कौनसी भाषाएँ मु4य Øप से बोलक जाती ह? (क) असम
		(ख) गुजरात (ग) पंजाब (घ) ओंडिशा
		(ड.) के रल
		लिखो ।
		्े9न 3. अपनी पाϊयपुहतक से ईदगाह कहानी पढ़ो और इसके पहले पृ ंठ का सुलेख अपनी नोटबुक मΛ लिखो ।
		्े9न 4. आप बड़े होकर Rया बनना चाहते हø और Rयं? लिखो ।
		्े9न 5. 'समय का मह×व' शीषक पर एक निबंध लिखो ।
VA	ENGLISH	1) WRITE AND LEARN THE POEM - TEAM WORK. 2) WRITE 5 NEW WORDS WITH MEANING AND DATE DAILY. 3) WRITE 15 PAGES HANDWRITING. 4) WRITE ONE DALY-NEWS WITH DATE.
VA	ART EDUCATION	1.Draw and colour 3 separate drawings Topic : your choice . Mention your name and class on each painting.
VB	EVS	1. Draw a Map of India on 1/4th Part of Chart Paper and Write the names of all the States in it. 2. Draw the Water Cycle on 1/4th Part of Chart Paper. 3. Draw A Solar System on1/4th Part of Chart Paper. 4.Write A Short note of Sloth Animal. 5.Write A short Note of Mamdi Tandra Recipe.

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VB	MATH	"""HOLIDAY HOMEWORK MDP 1. Make a weighing balance and weights using scrap material. 2. List the food items that you purchase in grams, Kg, Litres. 3. Does same weight packet has same same size as well(For eg: Compare 500 gms of Popcorn to 500 gms of rice). 4. Stick/ Draw pictures of 5 Items each purchased in Gm, Kg & litre. 5. Learn table from 2 to 20. "
VB	HINDI	के ﬔ5kय विदयालय भरतपुर ﬗ़्मकालकन अवकाश गृहकाय[(2020-21) क¢ा – पाँचवीवग[– बविषय – हिﬔदk विषयाﬔयापक – सु﬑ी शाﬔभवी धीर ﬕ9न 1. नीचे दिए गए पाठं को याद करﬗ । (क) राख कﬔ रﬗसी (ख) फ़सलं के ×योहार (ग) खिलौनेवाला ﬕ9न 2. नीचे लिखे भारत के राँयं मﬗ कौनसी भाषाएँ मु4य ﬘प से बोलk जाती ह? (क) असम (ख) गुजरात (ग) पंजाब (घ) ओिडशा (ड.) के रल लिखो । ﬕ9न 3. अपनी पा﬒यपुﬗतक से ईदगाह कहानी पढ़ो और इसके पहले पृ ﬛ठ का सुलेख अपनी नोटबुक मﬗ लिखो । ﬕ9न 4. आप बड़े होकर Rया बनना चाहते हﬕ और Rयं? लिखो । ﬕ9न 5. 'समय का मह×व' शीष[क पर एक ﬕनबंध लिखो ।
VB	ENGLISH	1) WRITE AND LEARN THE POEM - TEAM WORK. 2) WRITE 5 NEW WORDS WITH MEANING AND DATE DAILY. 3) WRITE 15 PAGES HANDWRITING. 4) WRITE ONE DALY-NEWS WITH DATE.
VB	ART EDUCATION	1.Draw and colour 3 separate drawings Topic : your choice . Mention your name and class on each painting.

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V A/B	COMPUTER	1. What is the difference between Slide Animation and Slide Transition? 2. What is the purpose of the Play button in the animation & transition window? 3. Write down the steps on how to save a Presentation? 4. What is an individual page of presentation called? 5. Name the menu which has different toolbars present on it
VIA/B	HINDI	1.संज्ञा किसे कहते हैं? इसके प्रकारों के नाम लिखिए। 2. सर्वनाम किसे कहते हैं? इसके प्रकारों के नाम लिखिए। 3. विशेषण किसे कहते हैं? इसके प्रकारों के नाम लिखिए। 4. निम्नलिखित पाठों को पढ़ें और प्रश्नोतर याद करें। क) वह चिड़िया जो ख) बचपन ग) नादान दोस्त 5. बाल रामायण कथा के प्रथम पाँच पाठों को पढ़ें। 6. *समय का महत्व* शीर्षक पर 150 शब्दों में एक निबंध लिखें।
VIA/B	ENGLISH	1.Rearrange the jumbled words.a)dress/i/new/have/a. b)tie/can/your/you/hair 2)Write the difference between a House and a Home . 3Read all the chapters of your supplementary Reader book.
VIA/B	SANSKRIT	1) विंशति आकारान्तस्त्रीलिंगान् शब्दान् लिखन्तु। 2) संस्कृते एकतः पञ्चाशत् पर्यन्तं लिखत । 3) निम्नलिखितानां शब्दानां रूपाणि लिखत- बालकः, बालिका, फल 4) पठितपाठखनां विद्यार्थी दैनन्दिनीं (Learners Diary) प्रस्तुतं कुरुत ।
VIA/B	MATH	1. Write all the Prime Numbers up to 200. 2. What are the followings? Explain with examples. a) Natural Number b) Whole Number 3. Write four 5-digit numbers and expand them. 4. Make the greatest and the smallest 6-digit numbers when 3 is at the hundreds place.
VIA/B	SCIENCE	1.Learn the chapters Food Where does it come from and Components of food 2.Make a chart on the topics given in class. 3.Find out different clothes around your paste pieces of different clothes in your notebook and write it's fibre name.

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VI A/B	SST	1. Define the following terms: - A. Planet B. Star C. Galaxy D. Revolution E. Rotation 2. Make a model of Earth or a model of Solar System. 3. Make a list of 10 Indian languages and specify in which state that language is spoken. 4. Find the difference between the lifestyle of a person living in Assam and a person living in Rajasthan. 5. Draw a picture Showing Diversity of India Take up the following Activities:- 1. Make a Paintings of the local freedom fighters or any Unsung Heroes. 2. Prepare 10 MCQ from each chapter taught in classes.
VI A/B	COMPUTER	1. Write a short note on programming using Python with an example code. 2. Briefly explain Python turtle canvas coordinates. 3. What will be the output shape of the following Python code? ```python\nimport turtle\nt=turtle.Pen()\nfor i in range(1,4):\n t.forward(60)\n t.left(90)\n``` a) Rectangle b) Trapezium c) Triangle d) Square 4. What is Turtle? why do we need to import it in Python Script?
VIIA/B	HINDI	1. द्वंद्व समास के दस उदाहरण लिखें। 2. विशेषण किसे कहते हैं? इसके प्रकारों के नाम लिखिए। 3. 'हमारे जीवन में नदियों का महत्व' शीर्षक पर 150 शब्दों में एक निबंध लिखिए। 4. निम्नलिखित पाठों को पढ़ें एवम् प्रश्नोत्तर याद करें। क) हम पंछी उन्मुक्त गगन के ख) हिमालय की बेटियाँ ग) कठपुतली 5. बाल महाभारत कथा के प्रथम पाँच पाठ पढ़ें।
VIIA/B	ENGLISH	What is a Preposition? Give two examples. 2)Write 6 lines on "SUMMER VACATION " 3) Read all the chapters of your supplementary book and Write down the meaning of difficult words from ch 1--5

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VIIA/B	SANSKRIT	1) निम्नलिखितानां शब्दानां रूपाणि लिखत फल, नदी, मुनि, 2) निम्नलिखितधातूनाम् लट्, लङ्,लृट,विधिलिङ्, लोट् लकारे लिखत दा, पठ्,गम्,खाद्, । 3) पठितपाठखनां विद्यार्थी दैनन्दिनी (Learners Diary) प्रस्तुतं कुरुत ।

VIIA/B	MATH	This Holiday home work complete in Class Work Copy of Maths Subject:
		For Holiday home work please click below link:
		https://drive.google.com/file/d/1dPjyYYtcspWXTsRif2eY7guC37loMVFp/view?usp=share_link
		
		HOLIDAY HOMEWORK FOR CLASS VII A:
		Explain the properties of addition and subtraction.
		     In a test (+5) marks are given for every correct answer and (–2) marks are given for every incorrect answer. (i) Radhika answered all the questions and scored 30 marks though she got 10 correct answers. (ii) Jay also answered all the questions and scored (–12) marks though he got 4 correct answers. How many incorrect answers had they attempted?
		     Explain Natural Numbers, Whole Numbers and Integers with examples.
		     A car runs 18 km using 1 litre of petrol. How much distance will it cover using 65/12 litres of petrol?
		     The length of a rectangle is 17.13 cm and its breadth is 12.56 cm. What is the area of the rectangle?

VIIA/B	SCIENCE	ANSWER THE FOLLOWING QUESTIONS: 1. Nitrogen is an essential nutrient for plant growth. But farmers who cultivate pulse crops like green gram, Bengal gram, black gram, etc., do not apply nitrogenous fertilizers during cultivation. Why? 2. Observe the diagram given in Figure 1.1 and label the following terms given-below- (a) stomatal-opening (b) guard-cells 3. Name the parts of the alimentary canal where (i) water gets absorbed from undigested food. (ii) Digested food gets absorbed. (iii) Taste of the food is perceived. (iv) Bile juice is produced. 4. Label the following parts in Figure 2.2 and name them. (a) The largest gland in our body (b) The organ where protein digestion starts. (c) The organ that releases digestive juice into the small intestine. (d) The organ where bile juice gets stored. 5. 'A' got her gallbladder removed surgically as she was diagnosed with stones in her gallbladder. After the surgery, she faced problems in the digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why? 6. While constructing a house in a coastal area, in which direction should the windows preferably face and why? 7. Two organisms are good friends and live together. One provides shelter, water, and nutrients, while the other prepares and provides food. Such an association of organisms is termed as? 8. Give a brief description of the process of synthesis of food in green plants? 9. Name the carbohydrate that can be digested by ruminants but not by humans. Give the reason also. 10. Discuss why wearing more layers of clothing during winter keeps us warmer than wearing just one thick piece of clothing. NOTE: ☐ The date of submission of holiday homework will be on 17/06/2023
VIIA/B	SST	SOCIAL SCIENCE CLASS VII OUR PASTS 1. Define the following terms: - (i)Foreigner (ii) Prashasti (iii) Achieves (iv)Cartographer OUR ENVIRONMENT 1. Define the following terms: - (i)Ecosystem (ii)lithosphere (iii)Hydrosphere (iv) Barter system (v)Biosphere 2. How you will conserve water? Write at least three ways. PROJECTS • Make a model of Earth Showing the layers of earth. • Make a painting, showing different aspect of Biosphere. Take up the following Activities: - 1. Prepare 5 MCQ from each chapter taught in classes. 2. Write an essay on any two-freedom fighter of your choice. Paste a picture of him.

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VII A/B	COMPUTER	1. If 'RAM' is coded as 'QZL' in a certain language, then how will 'LAMP' be coded in that language 2. If in a certain code '19078' is written as 'JPHSX' and '65432' as 'DBAIK', then how will '89235' be written in the same code? 3. If in a certain code '19078' is written as 'JPHSX' and '65432' as 'DBAIK', then how will '89235' be written in the same code? 4. What shape represent the Start and End of the Flowchart? 5. Draw a flowchart to find whether the input number is greater than 5 or not. 6. Write the step to install Python on your computer and Write any three features of python.
VIIIA	HINDI	1) दो औपचारिक और दो अनौपचारिक पत्र लिखें। 2) 20-20 उपसर्ग व प्रत्यय को लिखकर दो-दो शब्द बनाइए। 3) पठित पाठों के विद्यार्थी दैनन्दिनी (Learners Diary) प्रस्तुत करें।
VIIIA/B	ENGLISH	What is a Tense ?What are it's different kinds?Give examples of each. 3)Read all the Chapters of your supplementary book and write down the meaning of difficult words from ch 1--5
VIIIA/B	SANSKRIT	1) पठितपाठखनां विद्यार्थी दैनन्दिनी (Learners Diary) प्रस्तुतं कुरुत । 2) निम्नलिखितानां शब्दानां रुपानि लिखत - नदी, मुनि, अस्मद् 3) निम्नलिखितधातूनाम् लट्, लङ्,लृट,विधिलिङ्, लोट् लकारे लिखत - पठ्,गम्,खाद्, ।
VIIIA/B	MATH	Explain the following Properties of Rational numbers: i. Closure ii. Commutativity iii. Associativity 2. Find 10 rational numbers between 99 and 100. 3. Find: a) $15(y – 4) –2(y – 9) + 9(y + 6) = 0$ b) $910x -58x = -5 + 34$ x c) $-4(j + 3) = 5j – 7 + 2(-3 + 3j)$ 4. Explain the following with examples: a) Concave Polygons b) Convex Polygons c) Regular Polygons d) Irregular Polygons

VIIIA/B	SCIENCE	**Chapter-1 Crop Production and Management** 1.Read the chapter thoroughly and learn all exercise questions. 2. Gather information about what kind of crops majorly grown in India. Arrange the data in the form of bar graph. 3. List and draw various tools used in agriculture. **Chapter-2 Microorganisms : Friends And Foe** 1. Read the chapter thoroughly and learn all exercise questions. 2. Make a list of 3 diseases each caused by bacteria, viruses, fungi and protozoa. Also mention target organ in these diseases. 3. Name 3 plant diseases caused by different microorganisms and parts of plant affected by these diseases. 4. Make a flow chart showing nitrogen cycle **Multidisciplinary project: topic G20 (group of twenty) write about following:** Green Development climate change environmentally-conscious practices tech-enabled development in sectors such as agriculture and education
VIIIA/B	SST	SOCIAL SCIENCE CLASS VIII OUR PASTS 1. Define the following terms: - (I)Renewable resources and non-renewable resources (ii) Sustainable development (iii)resource conservation 2. What are the steps you will take to conserve land, water and forest resources? 3. Read the preamble of our constitution and write it in calligraphic manner. 4. Write something about your best friend and ask him/her whether you were able to write every important aspect of his/her life or not? PROJECT: - • Make a resource using waste material. REVISION WORK: - ☐ Revise all the chapters with exercise and prepare 5 MCQ from each chapter taught in classes. Take up any one Activity: - 1. Collect some News clippings of freedom struggle and make a power point presentation. 2. Preparation of Scrap Book on Making of the Constitution of India
VIIIA/B	COMPUTER	1. Define Artificial Intelligence 2. Find out the real-life applications of Artificial intelligence around you and make a note of it. 3. Create a poster showing the different ways in which we can use AI to make our life easier.
IXA	HINDI	1.मोहल्ले में फैली गन्दगी और मच्छरों के प्रकोप के सम्बंध में नगरपालिका अध्यक्ष को पत्र लिखिए। 2 .'संगति का प्रभाव' विषय पर एक अनुच्छेद लिखिए। 3.'मेहनत की कमाई' शीर्षक पर एक लघुकथा लिखिए। 4.निन्म अलंकारो की परिभाषा एवं उदाहरण लिखें-यमक,उपमा,मानवीकरण, अतिशयोक्ति।
IXA/B	ENGLISH	Q.1 LEARN ALL THE DIFFICULT WORD MEANINGS FROM LESSONS TAUGHT TILL DATE AND USE THEM IN SENTENCES. Q.2 WRITE DEFINITIONS OF THE FOLLOWING FIGURES OF SPEECH WITH SOME EXAMPLES. METAPHOR, SIMILE, ALLITERATION, PUN, ONOMATOPOEIA. Q.3 LEARN THE FOLLOWING TENSES AND MAKE 50 SENTENCES USING EACH TENSE. PRESENT INDEFINITE, PAST INDEFINITE, FUTURE INDEFINITE.

		KENDRIYA VIDYALAYA KOKRAJHAR **SUMMER VACATION HOMEWORK** **SESSION 2023-24**
IXA/B	SANSKRIT	1) गोदोहनम्" - इति पाठात् विंशति शब्दान् चित्वा सन्धिविच्छेदं कुरुत। 2) निम्नलिखितानां शब्दानां रूपाणि लिखत- अस्मद्, युष्मद्, तत्(त्रिषु लिंगेषु), एतत् (त्रिषु लिंगेषु) 3) निम्नलिखितधातूनां रूपाणि लट्, लङ्,लृट,विधिलिङ्, लोट् लकारे लिखत - स्था,वस्,पा, अस्, लभ्
IXA/B	MATH	. Find ten rational numbers between 1 99 and 1 100 2. Locate $\sqrt{17}$ on the Number line. 3. Find the decimal expansion of 10 99 4. Express the followings as $p\ q$ form where p, q are integers and q is not equal to 0 i. 0.345345……….. ii. 8.90707………… iii. 1.001001001………… 5. Represent $\sqrt{12.5}$ on the Number line. 6. Explain the following with examples: i. Coefficient ii. Degree of a polynomial iii. Variable and constant iv. Zero of the polynomials 7. Write all the eight identities of chapter 2 (Polynomials) and memorize it.

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| IXA/B | SCIENCE | **PHYSICS:**   1. An object travels 16 m in 4 s and then another 16 m in 2 s. What is the average speed of the object?
2. The odometer of a car reads 2000 km at the start of a trip and 2400 km at the end of the trip. If the trip took 8 h, calculate the average speed of the car in km h–1 and m s–1.
3. Usha swims in a 90 m long pool. She covers 180 m in one minute by swimming from one end to the other and back along the same straight path. Find the average speed and average velocity of Usha.
4. Starting from a stationary position, Rahul paddles his bicycle to attain a velocity of 6 m s–1 in 30 s. Then he applies brakes such that the velocity of the bicycle comes down to 4 m s-1 in the next 5 s. Calculate the acceleration of the bicycle in both the cases.
5. A car accelerates uniformly from 18 km h–1 to 36 km h–1 in 5 calculate (i) the acceleration and (ii) the distance
6.Draw all distance time, velocity time graph on chart paper.
Chemistry   Q.1, How does the water kept in an earthen pot (matka) become cool during summer?
Q.2, Convert the following temperatures to the celsius scale.
 (a) 293 K (b) 470 K
Q.3, Convert the following temperatures to the kelvin scale.
 (a) 25°C (b) 373°C
Q.4, Why is ice at 273 K more effective in cooling than water at the same temperature?
Q.5, A diver is able to cut through water in a swimming pool. Which property of matter does this observation show?
Q.6, What produces more severe burns, boiling water or steam?
Biology Draw a neat labeled diagram of an animal cell.
2. Draw a neat labeled diagram of plant cell.
3. Differentiate between eukaryotic and prokaryotic cells.
4. Describe about the structure and function of plasma membrane?
5. Describe the structure and functions of nucleus.
6. Describe about the structure and functions of the following cell organelles-
(i) Endoplasmic reticulum
(ii) Golgi apparatus
(iii) Lysosome
(iv) Mitochondria
(v) Plastids |
| IXA/B | SST | 1. Define the following terms: - (i)Fixed capital (ii)working capital (iii) human capital (iv) yielding capacity of land. (v)Land Degradation (vi) Green Revolution
2. Why was the king of France forced to increase the tax during 18th century?
 3. Discuss the situation that led to subsistence crisis in France?
4. What are the different types of crops grown in Indian village during different seasons?
5. What are the problems of Dala and Ramkali?
 6. "Palampur is a developed village ". Support this statement with valid arguments.
7. Consolidate all the information given in the chapter of India size and its location and write it in your notebook.
PROJECT: - ☐ Make an outline map of India on a chart paper and mark all the union territories, Island, different states with its capital.
REVISION WORK: - ☐ Revise all the chapters with exercise and prepare 5 MCQ from each chapter taught in classes.
Take up the Activity: - 1. Preparation of Scrap Book on Making of Constitution of India |

IXA/B	COMPUTER	1. Prepare a write-up of not less than 1000 words on the topic of Artificial Intelligence. The write-up should include the following contents: • Origin of AI • Definition of AI • AI applications around you • Types of AI • Games related to AI • Domains of AI • Briefly explain each domain with examples from real life. • The future of AI • Dangers of AI • AI as a threat to humankind 2. Draw a floor plan for a smart house. A smart house uses AI to make the home smarter. Explain in detail the steps taken by you to make the home smarter.
XA	HINDI	1.आपने अपने शहर में एक "योग प्रशिक्षण केंद्र"खोला है। आमजन को जानकारी देते हुए एक विज्ञापन लिखिए। 2 .' मनोरंजन के आधुनिक साधन' विषय पर एक अनुच्छेद लिखिए। 3.अपने मित्र को जन्मदिवस की बधाई देते हुए एक सन्देश लिखिए। 4.अर्थ के आधार पर वाक्य भेद एवं उदाहरण लिखिए। 5.सूरदास के पदों का भावार्थ लिखें।
	ENGLISH	Q.1 LEARN ALL THE DIFFICULT WORD MEANINGS FROM LESSONS TAUGHT TILL DATE AND USE THEM IN SENTENCES. Q.2 WRITE DEFINITIONS OF THE FOLLOWING FIGURES OF SPEECH WITH SOME EXAMPLES. METAPHOR, SIMILE, ALLITERATION, PUN, ONOMATOPOEIA. Q.3 LEARN THE FOLLOWING TENSES AND MAKE 50 SENTENCES USING EACH TENSE. PRESENT INDEFINITE, PAST INDEFINITE, FUTURE INDEFINITE. Q.4 LEARN SECOND AND THIRD FORM OF 100 HARD VERBS.
	SANSKRIT	1) संस्कृते अव्यय पदानां एकां तालिकां प्रस्तुतं करोतु । 2) कर्मवाच्ये, भाववाच्ये धातूनां रूपाणि कीदृशानि भवन्ति तत् लिखित्वा एकं चलचित्रं निर्मातु । (20) | 3) धातु रूपाणि लिखत- शी, लभ्(आत्मनेपदी) , कृ ।
X	MATH	This Holiday home work complete in Class Work Copy of Maths Subject: For Holiday home work please click below link: https://drive.google.com/file/d/1fcAlejRo-0KaK7urlgAFVTnREj-b5THC/view?usp=share_link

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SUMMER VACATION HOMEWORK
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	SCIENCE	**PHYSICS:**
		1.Solve ncert exercise as well as textbook example numerical and write in physics notebook.

PHYSICS:

1. Solve ncert exercise as well as textbook example numerical and write in physics notebook.
2. Plot all ray diagrams of reflection of light on a chart paper.
3. A convex mirror used for rear-view on an automobile has a radius of curvature of 3.00 m. If a bus is located at 5.00 m from this mirror, find the position, nature, and size of the image.
4. An object, 4.0 cm in size, is placed at 25.0 cm in front of a concave mirror of focal length 15.0 cm. At what distance from the mirror should a screen be placed in order to obtain a sharp image? Find the nature and the size of the image.

Chemistry:Q.1, What is a balanced chemical equation? Why should chemical equations be balanced?

Q.2, Write the balanced chemical equation for the following and identify the type of reaction in each case.
(a) Potassium bromide(aq) + Barium iodide(aq) → Potassium iodide(aq) + Barium bromide(s)
(b) Zinc carbonate(s) → Zinc oxide(s) + Carbon dioxide(g)
(c) Hydrogen(g) + Chlorine(g) → Hydrogen chloride(g)
(d) Magnesium(s) + Hydrochloric acid(aq) → Magnesium chloride(aq) + Hydrogen(g)

Q.3, What does one mean by exothermic and endothermic reactions? Give examples.

Q.4, Why are decomposition reactions called the opposite of combination reactions? Write equations for these reactions.

Q.5, What is a neutralisation reaction? Give examples.

Q.6, Why is respiration considered an exothermic reaction? Explain.

Q.7, Write one equation each for decomposition reactions where energy is supplied in the form of heat, light or electricity.

Q.8, What is the difference between displacement and double displacement reactions? Write equations for these reactions.

Q.9, What do you mean by a precipitation reaction? Explain by giving examples.

Q.10, A shiny brown coloured element 'X' on heating in air becomes black in colour.

Name the element 'X' and the black coloured compound formed.

Biology
1. Discuss the major steps involve in the process of nutrition in human beings?
2. What will happen if mucus is not secreted by the gastric glands?
3. Why there is no CO_2 released from plants during day?
4. Write the functions of the following-
(i) Bile
(ii) Hydrochloric Acid
(iii) Villi
5. Differentiate between blood and lymph?
6. Give two points of difference between arteries and veins?
7. What are the events that take place during the process of photosynthesis?
8. What is the advantage of four chambered heart in humans?
9. Write the difference between aerobic and anaerobic respiration?
10. What are the types of heterotrophic nutrition? Mention one example of each?

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	SST	SOCIAL SCIENCE CLASS X 1.Define the following terms: - (i)Resource conservation (ii) Development (iii) Exclusive economic zone (iv) Sheet erosion (v) Gross cropped area (vi) literacy rate (vii)Net attendance ratio 2. Write down the names of some region in India where we can find non-renewable energy resources. 3. Calculate the BMI of your family members. 4. Write about HDI. Find out the names of 5 countries that topped the HDI and also find what was the ranking of India last year. What are the steps can be taken by the government to improve ranking. 5. Why is sustainable development essential for economic growth? Give three reasons and suggest measures to ensure sustainable development. 6. Find out the current data of following (India and Assam separately) (i)Infant mortality rate (ii)literacy rate (iii)Net attendance ratio (iv) Per capita income (v) life expectancy PROJECT: - ☐ On the Outline map of India shed the regions showing different types of soil. Also write the characteristics of the soil and crop grown there. REVISION WORK: - ☐ Revise all the chapters and prepare 5 MCQ from each chapter taught in classes. Take up the Activity: - 1. Collect some News clippings of freedom struggle and brief about any two important events of Indian national movement. (Prepare yourself to explain any one event in class after vacation)
	COMPUTER	1. What are the 3 domains of AI. Mention at least 2 examples of each domain. 2. Write a letter to your future self. Assume the year to be 2035. [write a letter to self-keeping the future in context. You will describe what You have learnt so far or what You would like to learn someday] 3. List out all 17 SDGs and draw the SDG icons. 4. Explain all the phases involved in AI project cycle in detail.
XIIA	ENGLISH	Q.1 LEARN ALL THE DIFFICULT WORD MEANINGS FROM LESSONS TAUGHT TILL DATE AND USE THEM IN SENTENCES. Q.2 WRITE DEFINITIONS OF THE FOLLOWING FIGURES OF SPEECH WITH SOME EXAMPLES. METAPHOR, SIMILE, ALLITERATION, PUN, ONOMATOPOEIA. Q.3 LEARN THE FOLLOWING TENSES AND MAKE 50 SENTENCES USING EACH TENSE. PRESENT INDEFINITE, PAST INDEFINITE, FUTURE INDEFINITE. Q.4 LEARN SECOND AND THIRD FORM OF 100 HARD VERBS. Q.5 ATTEMPT WRITING SECTION GIVEN IN WHATSAPP GROUP.
	HINDI	1.कहानी का नाट्य रूपांतरण करते समय किन-किन बातों का ध्यान रखना चाहिए। 2. रेडियो नाटक की पाँच विशेषताएं लिखिए। 3.नए और अप्रत्याशित विषयों पर किस प्रकार लेखन किया जाता है? 4.पत्रकारिता और जनसंचार माध्यम के बारे में एक लेख लिखिए।
	MATH	This Holiday home work complete in Class Work Copy of Maths Subject: For Holiday home work please click below link: https://drive.google.com/file/d/1VMauT1hhjMi_ZzqQNJckUgW-kpwbB-_Y/view?usp=share_link

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SUMMER VACATION HOMEWORK
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	BIOLOGY	Write the following experiments in your practical notebook: Experiments: 1. Prepare a temporary mount to observe pollen germination. 2. Study the plant population density by quadrat method. 3. Study the plant population frequency by quadrat menthod. 4. Prepare a temporary mount of onion root tip to study mitosis. 5. Isolate DNA from available plant material such as spinach, green pea seeds, papaya etc. Spotting: 1. Flowers adapted to pollination by different agencies (wind, insects, birds). 2 . T.S of blastula through permanent slides. (Mammalian) 3. Common disease causing organisms like Ascaries, Entamoeba, plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
	PHYSICS	1. solve ncert numericals of unit : electrostatics 2. write and learn all formulas of unit : electrostatics 3. make project file and working model on any topic related to syllabus. 4.Solve the monthly test in your notebook.
	CHEMISTRY	1. solve the NCERT intext and Exercise for the chapter solution and d & f block elements. 2.Lean the electronic configuration of d and f block elements . 3.Comple the given paracticle in your paractival records. 4.Solve the monthly test in your notebook. 5. revision of two chapter of class Xi, i) some basic concepts of organic chemistry ,ii) Hdrocarbons
	COMPUTER SCI.	1.Complete the Assignments given for the topic Python Revision tour.[ALready shared the document in Whatsapp grp] 2.Revise the concepts of Functions. Write Functions for the following :a) Printing the first n Prime numbers b)Printing the gcd of two numbers
	PHY. EDUCATION	complete the project for the given games and sports football and basketball