ARMY PUBLIC SCHOOL MIRAN SAHIB
HOLIDAYS HOMEWORK (2023-24)
CLASS X

SUBJECT: ENGLISH

S.NO	SKILL	TOPIC	M.M 25
1	**A.Writing Skill-(Letter Writing)**	1.Given the recent increase in road accidents and mishappenings, you are concerned about road safety. Write a letter to the editor of a popular magazine to showcase the same. 2.People have adapted to wearing face masks as a 'new normal'. But most of them do not know how to dispose of them properly. Spread awareness regarding the disposal of protective masks by writing a letter to an editor of a popular newspaper. 3.As a responsible citizen, you are concerned about the condition of Marine Lines. People have littered the entire place with plastic, masks and garbage. Write a letter to the editor of a leading daily to spread awareness on the matter. 4.Your university is not providing proper curriculum and guidance to the students because of which students are unable to learn. Write a letter to the editor of a student magazine to highlight this issue. 5.You are Kritika. Your school's Yoga Club hosted a workshop called "Art of Living for Students." Write a letter to the editor of the local daily newspaper in roughly 100-120 words giving your thoughts on the note book.	**10**
2	**B. Speaking skill-Speech**	Prepare a speech for 3-4 minutes on any one of the given topics as part of ASL • Benefits of Yoga • Importance of Books in Our Life • Social Media: Bane or Boon? • Importance of Kindness	**5**
3	**Art Integrated Project**	"Write about the cuisine of Gujarat laying stress upon the health benefits and nutrition value as compared with cuisine of J&K.Make a folder and decorate it with the famous appliqué work of Gujarat. You can take the help from the given link https://gujaratindia.gov.in/about-gujarat/handicraft.htm#:~:text=Needlework%20of%20Gujarat%20is%20famous,unique%20with%20its%20traditional%20skills	**10**

| PT-1 Syllabus | **First Flight**
1. A Letter to God
2.Nelson Mandela-Long Walk to Freedom
Poems
1. Dust of Snow
2. Fire and Ice
Footprints Without Feet
1. A Triumph of Surgery
Writing skill
Letter to the Editor | |

विषय - हिंदी

क्रम संख्या	कौशल	विषय	अंक
१	लेखन	स्वतंत्रता आंदोलन में महिलाओं के योगदान पर संक्षिप्त टिप्पणी लिखिए| तथा प्रमुख महिलाओं के बारे में जानकारी एकत्रित करके लिखिए ।	१०
२	विषय सम्वर्धन गतिविधियाँ	"शिक्षा रटंत विद्या नहीं है" विषय पर लघु भाषण तैयार करें तथा चलचित्र बनाकर भेजें।	५
३	परियोजना कार्य	१ विष्णु के दस अवतारों के नाम,चित्र और उनके बारे मे ५ पंक्तियाँ चार्ट पर लिखिए । २ कला एकीकृत परियोजना - गुजरात की लोक कथाओं का परिचय पी पी टी द्वारा प्रस्तुत करें ।	१०
४	आवधिक परीक्षा पाठयक्रम	**स्पर्श भाग २** १ बड़े भाई साहब २ डायरी का एक पन्ना ३ साखी ४ पद मीरा **संचयन भाग २** पाठ १ हरिहर काका ३ व्याकरण अपठित गद्यांश , औपचारिक पत्र ,अनुच्छेद लेखन ,पदबंध , मुहावरे	

Subject: Mathematics

S.NO	SKILL	TOPIC	M.M (25)
1	**CASE BASED QUESTION – I** (Reasoning, Brainstorming, Analyzation, capacity examining).	**Case Study I** While playing in garden, Sahiba saw a honeycomb and asked her mother what is that. She replied that it's a honeycomb made by honey bees to store honey. Also, she told her that the shape of the honeycomb formed is parabolic. The mathematical representation of the honeycomb structure is shown in the graph, Based on the information, answer the following questions:- (i) Graph of a quadratic polynomial is in_____shape. (ii) Find the value of the polynomial represented by the graph when x = 6. (iii) If the sum of zeroes of polynomial $at^2 + 5t + 3a$ is equal to their product, then find the value of a. **Case Study II** Raman usually goes to a dry fruit shop with his mother. He observes the following two situations. On 1st day: The cost of 2 kg of almonds and 1 kg of cashew was Rs 1600. On 2nd day: The cost of 4 kg of almonds and 2 kg of cashew was Rs 3000. Denoting the cost of 1 kg almonds by Rs x and cost of 1 kg cashew by Rs y, answer the following questions. (i) Represent algebraically the situation of day-I. (ii)The linear equation represented by day-II, intersect the y-axis at? (iii) Find the solutions of the given pair and also determine whether these lines are intersecting.	10
2	**ASSERTION AND REASONING QUESTIONS (EACH QUESTION OF 1 MARK)** (Analysing, Understanding, critical thinking).	*Directions: In the following questions, a statement of assertion (A) is followed by a statement of reasons(R). Mark the correct answer as:* (a) Both assertion and reason are true and reason is the correct explanation of assertion. (b) Both assertion and reason are true but reason is not the correct explanation of assertion. (c) Assertion is true but reason is false. (d) Assertion is false but reason is true	5

		1. **Assertion:** The H.C.F. of two numbers is 16 and their product is 3072. Then their L.C.M. = 162 **Reason:** If a and b are two positive integers, then H.C.F. $\times$ L.C.M. = a $\times$ b 2. **Assertion**: $P(x) = 4x^3-x^2+5x^4+3x-2$ is a polynomial of degree 3. **Reason:** The highest power of x in the polynomial p(x) is the degree of the polynomial. 3. **Assertion:** For all real values of c, the pair of equation x-2y=8 and 5x-10y=c has a unique solution. **Reason:** Two lines are given to be parallel. The equation of one of the lines is 4x+3y=14, 12x+9y=5 4. **Assertion:** If the pair of lines are coincident, then we say that pair of lines is consistent and it has a unique solution. **Reason:** If the pair of lines are parallel, then the pairs have no solution and is called inconsistent pair of equations. 5. **Assertion:** The value of k for which the system of linear equations kx-y=2 and 6x-2y=3 has a unique solution is 3. **Reason:** The graph of linear equations $a_1x+b_1y+c_1=0$ and $a_2x+b_2y+c_2=0$ gives a pair of intersecting lines if $a_1/a_2 \neq b_1/b_2$	
3	**ART INTEGRATED ACTIVITY** (Creative thinking, Innovative thinking, contemplation seeking)	**ACTIVITY**: "India is the cradle of human race, the birthplace of human speech, the mother of history, the grandmother of legend, and the great grandmother of tradition. Our most valuable and most instructive materials in the history of man are treasured up here in India only." India has got rich cultural heritage of "Unity in Diversity", the roots of which are inextricably found on the principles of "vasudhaiv kutumbakam", meaning that the entire universe is a family and our Indian family is bestowed upon by the tallest statue and the tallest bridge of the world, **The Statue of Unity** in Gujrat and **The Arch bridge** in Jammu and Kashmir(Chenab Rail Bridge). Paste pictures and gather information about these two landmarks of India. Also convene statistics about the number of the tourists visiting **The Arch bridge** and **the Statue of Unity** respectively and Find the HCF and LCM of the same.	**10**

Syllabus for Periodic Test: 1

CH. NO.	NAME OF CHAPTER
1	REAL NUMBERS
2	POLYNOMIALS
3	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES

ARMY PUBLIC SCHOOL MIRAN SAHIB

HOLIDAYS HOME WORK

SESSION–2023-24
CLASS-X

SUBJECT-SCIENCE

S. NO	SKILL	TOPIC	REMARK	M.M (25)
1	WRITING	Create question bank of: **Chapters:** 1. Chemical reactions 2. Our environment 3. Light: Reflection 4. Life processes **Note: 5 Q/Ans from each chapters**	Question bank to be made in the Science notebook	5
2	ART INTEGRATED ACTIVITY	Using the Bead work art technique of Gujarat, show the reproductive part of flower. (CHAP: REPRODUCTION)	Use chart paper or cloth	10
3	SUBJECT ENRICHMENT ACTIVITIES	Frame a kaleidoscope or periscope. Also mention it`s construction, working and advantages. OR Make a 2D or 3Dmodel representing any two physiological systems of human beings. OR Make a dictionary of50 words each from the Physics, Chemistry And Biology	Make model using waste materials at home. Use Scrap book	10

CH. NO.	NAME OF CHAPTER
1	Chemical reactions
2	Our environment
3	Light:Reflection
4	Life processes

HOLIDAYS HOMEWORK
SESSION – 2023-24
CLASS –X

SUB-SOCIAL SCIENCE

S. NO	SKILL	SUBJECT/ACTIVITY	MARKS
1	**SUBJECT ENRICHMENT ACTIVITY** Inquisitiveness Application of Knowledge	Make a social science dictionary by writing minimum 100 new words related to social science. Use NCERT books, newspapers, magazines, internet etc.	05
2	**PROJECT** (Critical Thinking , Problem solving, Organization)	Topic: - Consumer Rights (Students will make a file using A4 sheets) Content to be included: 1.Introdution 2.What is a consumer? 3.What are consumer rights and responsibilities? 4.Factors causing consumer exploitation 5. Consumer Rights 6. Consumer movement 7. Importance of consumer rights 8.Government measures 9. Consumer courts 10. Certification marks in India. 11. Conclusion Also use the pictures from various sources and make a collage.	10
3	**ART INTEGRATED ACTIVITY** (Analysis,Critical thinking,problem solving, Observation	Geography-Ch.5 Minerals and energy resources. Collect information about the minerals and energy resources found in Union Territory of J&K and Gujarat and Find the similarity between these two regions in resource distribution. Also show how these resources support the economy of the state. Make your project file attractive and beautiful using pictures	10

Syllabus of Periodic Test

S.NO	COMPONENT/BOOK	CHAPTER NO	CHAPTER NAME
1	HISTORY	1	The Rise of Nationalism in Europe
2	GEOGRAPHY	1	Resources and Development
3	ECOMOMICS	1	Development
4	DEMOCRATIC POLITICS	1	Power Sharing

SUBJECT – A.I

S. NO	SKILL	TOPIC	M.M (25)
1	**WRITING**	Study Unit – 1 of part-B **Introduction to AI** and highlight the important terms with highlighter. Complete exercise questions given and worksheets given at page numbers 109, 115, 116, 119, 121, 126, 130 - 133 in your computer notebook.	**05**
2	**SUBJECT ENRICHMENT ACTIVITY**	**Make a chart:** Explain Different types of Verbal, Non-Verbal and Visual Communication with images.	**05**
3	**PROJECT**	Search about different Stress Management Techniques that we are using now days in our day to day life from the internet. Paste the pictures with explanation and names in your computer notebook.	**10**
4	**ART INTEGRATED ACTIVITY**	Create a blog which displays the different cultures of J&K and Gujrat (Use WordPress.com). Take the printouts of the blog created by you and paste it in your computer notebook.	**05**

SYLLABUS OF PERIODIC TEST-1
- **UNIT-2 (SELF MANAGEMENT SKILLS – II)**
- **UNIT-4 (ENTREPRENEURSHIP SKILLS – II)**