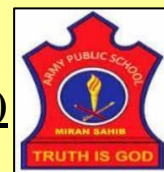


ARMY PUBLIC SCHOOL MIRAN SAHIB
HOLIDAY'S HOMEWORK FOR CLASS- XII (2024-25)



SCIENCE STREAM

S.NO	SUBJECT	NAME OF THE TEACHER	HOLIDAY'S HOMEWORK	LEARNING OUTCOMES	SKILL
1	CHEMISTRY	Mr Gurmeet Singh	<p>1.Revision -</p> <p>1.SOLUTION</p> <p>2.ELECTROCHEMISTRY</p> <p>3.CHEMICAL KINETICS</p> <p>2.PROJECT -</p> <p>Scientific investigations involving laboratory testing and collecting information from other sources. A few suggested Projects are as under :</p> <ul style="list-style-type: none">•Study of the presence of oxalate ions in guava fruit at different stages of ripening.•Study of quantity of casein present in different samples of milk.•Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.•Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature,concentration, time, etc.)•Study of digestion of starch by salivary amylase and effect of pH and temperature on it.•Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.	<p>1.Students will be able to understand the concepts and learn how to apply the formulas.</p>	<p>Critical Thinking, Problem Solving.</p>

			<ul style="list-style-type: none"> •Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi (cardamom). •Study of common food adulterants in fat, oil, butter, sugar, turmeric powder, chilli powder and pepper 		
2	PHYSICS	Mr Pankaj Kalotra	<ol style="list-style-type: none"> 1.Solve the worksheets. 2.Do revision of Chapters – 1,2 and 3 	1.Students will be able to understand the concepts and learn how to apply the formulas.	Application Remembering Problem solving Critical thinking.
3	MATHEMATICS	Ms Shallu Kangotra	<ol style="list-style-type: none"> 1.Solve the worksheets attached. 2.Revision of UT1 syllabus. CH:1-Relations and functions. CH:2-Inverse trigonometric functions. CH:3-Matrices. CH :4-Determinants. CH:5- Continuity and differentiability CH:12-Linear programming. 3.ACTIVITY : 1.Formulate a LPP on a situation from your surroundings and find it's optimal values. 2. Make a PPT on real life applications of chapters from your text book. 	1.Students will be able to understand the concepts and learn how to apply the formulas.	Application Remembering Problem solving Critical thinking.
4	BIOLOGY	Ms Poonam	<ol style="list-style-type: none"> 1.Practice and learn the following chapters : Sexual reproduction in flowering plants,Human Reproduction,Reproductive health. 2.Solve worksheets (based on CBSE SAMPLE PAPERS and PYQ's) 3.Visit MANDA ZOO/MANSAR with your 	<ol style="list-style-type: none"> 1.Students will be able to draws labelled diagrams, flow charts, concept maps, graphs. 2. Students will be able to explain 	Application Remembering Problem solving Critical thinking Communication skill

			<p>parents and make a report with suitable pictures on the Biodiversity.</p> <p>4.HOW MICROBES HELP IN FOOD PRODUCTION - Prepare a project with suitable pictures.</p> <p>5..Make a report with suitable pictures on ‘COMMON DISEASES IN HUMANS’ including recent diseases.</p>	<p>efficiently systems, relationships, processes and phenomena.</p> <p>3. Students will be able to Appreciate technological applications and processes in Biology towards the improvement in the quality of life and sustainable development.</p> <p>4. Students will be able to apply scientific concepts in daily life and solving problems.</p>	
5	ENGLISH	Ms Parul Bandral	<p>1.Comprehension passages</p> <p>2.Notice writing</p> <p>3.Letter writing</p> <p>4. Art integrated project</p> <p>5. ACTIVITY: Prepare a video collage on the theme Individual achievements with voice modulation in English language .</p>	<p>1.Learners will comprehend the language.</p> <p>2.Learners will be able to enhance their writing skills.</p> <p>3.Learners will be able to develop their skill by integrating Art with their language subject.</p>	<p>Reading Skill</p> <p>Writing Skill</p> <p>Social and emotional skills</p> <p>Cultural Skills</p>
6	PHE	Ms Shivali	<p>Q1. Prepare a chart for various committees and explain their pre, during and post duties</p>	<p>1.Students will be able to organise intramural tournament and making of</p>	<p>Decision making</p> <p>Understanding</p> <p>Cohesion</p> <p>Self awareness</p>

			<p>Q2. Make a fixture for 20 teams by using knockout fixture</p> <p>Q3. Differentiate between kyphosis and lordosis deformity. Also explain their corrective measures.</p> <p>4. Revision of Chapter 1&2</p> <p>5.Solve worksheet of chapter 1 (MCQ)</p> <p>6.ACTIVITY : Prepare a PPT on Obesity and different types of body and how we can cure obesity through Yogic Asanas.</p>	<p>fixture for particular number of teams</p> <p>2.Students will be able to identify special consideration related to menarche and menstrual dysfunction.</p> <p>3.Students will be able to differentiate between different Spinal deformity.</p>	<p>Coping with stress</p>
7	COMP.SC	Mr. Shekhar Singh	<p>Solve the worksheet attached.</p> <p>Chapter-</p> <p>1. Revision of Python</p> <p>2. Functions in Python</p>	<p>Students will be able to understand concept and apply it.</p>	<p>Critical Thinking, Problem Solving.</p>

UT-1 SYLLABUS

S.NO	SUBJECT	UT-1 SYLLABUS
1	CHEMISTRY	<p>CH NO. 1 - Solution</p> <p>CH NO. 2 - Electrochemistry</p> <p>CH NO. 3 - Chemical Kinetics</p>
2	PHYSICS	<p>CH: 1- Electric Charges and Fields</p> <p>CH: 2- Electrostatic Potential and Capacitance</p> <p>CH: 3 - Current Electricity</p>
3	MATHEMATICS	<p>CH. 1- Relations and functions</p> <p>CH. 2- Inverse trigonometric functions</p> <p>CH. 3- Matrices</p> <p>CH. 4- Determinants</p> <p>Ch. 5- Continuity and differentiability</p> <p>CH. 12- LPP</p>
4	BIOLOGY	<p>CH:1 - Sexual Reproduction in Flowering Plants</p> <p>CH:2 - Human Reproduction</p> <p>CH:3-Reproductive Health</p>
5	ENGLISH	<p>Flamingo</p> <p>Chapter1 : The Last Lesson</p> <p>Chapter 2 : The Lost Spring</p> <p>Poem 1 : My Mother at Sixty Six</p>

		Poem 2 : Keeping Quiet Vistas Chapter 1 : The Third Level Writing Skills Notice writing , Letter to Editor , Job Application
6	PHE	CH1 :- Management of sporting events CH2 :- Children and women in sports CH4 :- Physical Education and sports for CWSN
7	COMP.SC	Chapter 1: Review of Python basics Chapter 2: Functions Chapter 3: Data file handling (Text file)