

**KERALA PUBLIC SCHOOLS**

**HOME ASSIGNMENT (1<sup>st</sup> April- 15<sup>th</sup> April 2021)**



CLASS	SUBJECT	TOPIC / CHAPTER	MODULE / ASSIGNMENT	REFERENCE LINK
VIII	ENG LANG	Letter writing	Write a letter to your sister congratulating her on success in the examination.	<a href="https://youtu.be/YcZk8LL7R_o">https://youtu.be/YcZk8LL7R_o</a>
	ENG LIT	Ch - All About A Dog	<p>Answer the following questions:-</p> <p>Q1-Justify the title "all about a dog" by A. G Gardiner.</p> <p>Q2-Summarize "All about a Dog" by A.G Gardiner.</p> <p>Q3-Imagine that you are in a boarding school and have performed poorly in your terminal examination. Write a letter to your mother, and tell her how to plan to do better in the forthcoming examination.</p> <p>Q4-Write a letter to the police commissioner of your city drawing his or her attention to the menace of hawkers out side your school. Tell him or her what danger they pose and offer solutions for their rehabilitation.</p> <p>Q5-Write a composition (not more than 350 words) on any of the following topics.</p> <p>a) Pets are important for every house. Write for or against the topic.</p> <p>b) Punctuality is the virtue of life. Elaborate the real life experience</p>	<p>Web link : brainly.in</p> <p>Module – Specimen for letter writing - cisce</p>
	MATHS	Chapter-4 : Cubes and Cube Roots.	<p>Module-1 : Exercise 4.1: Q.no 1 and 2</p> <p>Module-2 : Exercise 4.1: Q.no 3 and 4</p> <p>Module-3 : Exercise 4.2: Q.no 1 and 2</p> <p>Module-4 : Exercise 4.2: Q.no 4 and 5</p> <p>Module-5 : Exercise 4.2: Q.no 6,7 and 8</p>	
		Chapter-5 : Playing With Numbers.	Module-1 : Numbers in general form. Exercise 5.1- Q.no 1,2 and 3	

			<p>Module-2 : Reversing the digit of two and three digit numbers, Exercise 5.1 Q.no- 4,5 and 6.</p> <p>Module-3: Decoding the letters used for digits in +,-- and <math>\times</math> by simple calculation. : Exercise 5.2 ,Q.no- 1,3,8 and 9.</p> <p>Module-4: Test of divisibility : exercise 5.3,Q.no- 1,2,3,7, 10.</p>	
	<p><b>PHY</b></p>	<p>Ch – 2 : Physical Quantities And Measurement</p> <p>Module 1:</p> <p>Introduction Explanation of density Unit of density (relationship between S.I. and C.G.S. units)</p>	<p><b><u>WRITE TRUE OR FALSE</u></b></p> <ol style="list-style-type: none"> <li>1. Equal volumes of the two different substances have equal masses. _____</li> <li>2. The density of a piece of a piece of brass will change by changing its size or shape. _____</li> </ol> <p><b><u>FILL IN THE BLANKS</u></b></p> <ol style="list-style-type: none"> <li>1. 1kg is the mass of _____ mL of water at 4 degree C.</li> <li>2. Mass = density x _____</li> <li>3. The S.I. unit of density is _____.</li> </ol> <p><b><u>ANSWER THE FOLLOWING QUESTIONS</u></b></p> <ol style="list-style-type: none"> <li>1. Define the term density of a substance.</li> <li>2. Name the S.I. unit of density. How it is related to <math>\text{g/cm}^3</math>?</li> </ol> <p><b><u>NUMERICALS</u></b></p> <ol style="list-style-type: none"> <li>1.The density of air is 1.28g/litre. Express it in : a) <math>\text{g/cm}^3</math> b) <math>\text{kg/m}^3</math>.</li> <li>2. A piece of iron of volume <math>30 \text{ cm}^3</math> has a mass of 234g. Find the density of iron.</li> </ol>	
		<p>Module no 2 :</p> <ul style="list-style-type: none"> <li>• Vessels for measuring volume</li> <li>• Determination of density of regular solid</li> </ul>	<p><b><u>FILL IN THE BLANKS</u></b></p> <ol style="list-style-type: none"> <li>1. Density of water is _____ <math>\text{kg/m}^3</math>.</li> <li>2. <math>1\text{g/cm}^3 =</math> _____ <math>\text{kg/m}^3</math>.</li> <li>3. The density of a substance is not changed by change in its _____ or _____.</li> <li>4. Vessels used for measuring volume are _____, _____ and _____.</li> </ol>	

	<b>PHY</b>		<p><b><u>NUMERICALS</u></b></p> <ol style="list-style-type: none"> <li>1. The dimensions of a hall are 10 m x 7 m x 5 m. If the density of air is <math>1.11\text{kg/m}^3</math>, find the mass of air in the hall.</li> <li>2. Calculate the volume of a wood of mass 6000 kg if the density of wood is <math>0.8\text{ g/cm}^3</math>.</li> <li>3. A piece of zinc of mass 438.6 g has a volume of <math>86\text{ cm}^3</math>. Calculate the density of zinc.</li> </ol>	
		<p>Module no3:</p> <ul style="list-style-type: none"> <li>• Determination of density of an irregular solid</li> <li>• Determination of density of a liquid</li> </ul>	<p><b><u>ANSWER THE FOLLOWING QUESTION</u></b></p> <ol style="list-style-type: none"> <li>1. How does the density of a liquid vary with temperature?</li> <li>2. Describe an experiment to determine the density of the material of a coin.</li> <li>3. Describe an experiment to determine the density of a liquid.</li> </ol> <p><b><u>NUMERICALS</u></b></p> <ol style="list-style-type: none"> <li>1. Calculate the density of solid from the following data: <ol style="list-style-type: none"> <li>a) Mass of solid = 72 g</li> <li>b) Initial volume of water in measuring cylinder = 24 MI</li> <li>c) Final volume of water when solid is completely immersed in water = 42 MI</li> </ol> </li> </ol>	
		<p>Ch – 2 : Physical Quantities And Measurement</p> <p>Module 4:</p> <ul style="list-style-type: none"> <li>• Density bottle</li> <li>• Determination of density of liquid using density bottle</li> <li>• Relative density</li> </ul>	<p><b><u>ANSWER THE FOLLOWING QUESTIONS</u></b></p> <ol style="list-style-type: none"> <li>1. What is a density bottle? How is it used to find the density of a liquid?</li> <li>2. Define the term relative density of a substance.</li> <li>3. What is the unit of relative density?</li> <li>4. State two difference between density and relative density.</li> <li>5. Explain the meaning of the statement ‘Relative density of aluminium is 2:7’.</li> </ol> <p><b><u>NUMERICALS</u></b></p> <ol style="list-style-type: none"> <li>1. The mass of an empty density bottle is 21.8 g, when filled completely with water it is 41.8 g and when filled completely with liquid it is 40.6 g. Find:</li> </ol>	

	<b>PHY</b>		<p>a) the volume of density bottle b) the relative density of liquid</p> <p>2. The density of an empty density bottle is 30 g, it is 75 g when filled completely with water and 65 g when filled completely with liquid. Find:</p> <p>a) volume of density bottle b) density of liquid, and c) relative density of liquid</p>	
		<p>Module no 2 :</p> <ul style="list-style-type: none"> <li>• Explanation of floating and sinking</li> <li>• Principle of floatation</li> </ul>	<p><b><u>ANSWER THE FOLLOWING QUESTIONS</u></b></p> <p>1. How does the density of a body and that of a liquid determine whether the body will float or sink in that liquid?</p> <p>2. A cork piece floats on water surface while an iron nail sinks in it. Explain the reason.</p> <p>3. For a floating body, how is its weight related to the buoyant force?</p> <p>4. The density of water is <math>1.0 \text{ g/cm}^3</math>. The density of iron is <math>7.8 \text{ g/cm}^3</math>. The density of mercury is <math>13.6 \text{ g/cm}^3</math>. Answer the following :</p> <p>a) Will a piece of iron float or sink in water? b) Will a piece of iron float or sink in mercury?</p>	
		<p>Module no3:</p> <ul style="list-style-type: none"> <li>• Law of floatation</li> <li>• Application of floatation</li> </ul>	<p><b><u>ANSWER THE FOLLOWING QUESTION</u></b></p> <p>1. Why does a piece of ice float on water?</p> <p>2. Explain why an iron needle sinks in water, but a ship made of iron floats on water.</p> <p>3. It is easier to swim in sea water than in river water. Explain the reason.</p> <p>4. Icebergs floating on sea water are dangerous for ships. Explain the reason.</p> <p>5. Explain why it is easier to lift a stone under water than in air.</p> <p>6. What is a submarine? How can it be made to dive in water and come to the surface of water?</p>	

	<p><b>CHEM</b></p>	<p>Ch – 5 : Language Of Chemistry</p>	<p>Q1) <b>Define :-</b>  a) Symbol b) Valency c) Radicals</p> <p>Q2) What is variable valency? Give two examples of elements where you find variable valency.</p> <p>Q3) Give the symbols and valencies of the following radicals :-  a) Hydroxide  b) Chloride  c) Carbonate  d) Oxide  e) Ammonium  f) Nitrate</p> <p>Q4) Learn the tables 5.1 to 5.7.</p> <p>Q5) <b>The valency of Calcium is 2. Write the valency of other radicals found in the following compounds.</b>  a) Calcium chloride      b) Calcium oxide  c) Calcium nitride      d) Calcium carbide  e) Calcium sulphate      f) Calcium sulphite</p>	<p><a href="https://youtu.be/SSB35O59O7g">https://youtu.be/SSB35O59O7g</a>  Topic :- Symbols and Formulae</p>
		<p>Module 2  Topic :- Molecular formula of compounds</p>	<p>Q1. <b>Write the molecular formula for the following compounds :-</b>  a) Sodium nitrate      b) Potassium sulphate  c) Aluminum phosphate      d) Zinc sulphate  e) Ferric chloride      f) Mercuric iodide  g) Aluminium nitride      h) Sodium bicarbonate  i) Ammonium phosphate      j) Common salt  k) Carbon tetrachloride      l) Baking soda</p>	<p><a href="https://youtu.be/t81NI72Jj0">https://youtu.be/t81NI72Jj0</a></p>
		<p>Module 3  Topic :- Chemical Equations</p>	<p>Q1. <b>Define :-</b> a) Law of conservation of mass  b) Skeletal equation c) Balanced chemical equation  d) Reactants e) Products</p>	<p><a href="https://youtu.be/AVhOK75I748">https://youtu.be/AVhOK75I748</a></p>

			<p><b>Q2. Write balanced chemical equations for the following word equations :-</b></p> <p>a) Hydrogen + Oxygen → Water</p> <p>b) Magnesium + Sulphuric acid → Magnesium Sulphate + Hydrogen</p> <p>c) Nitrogen + Hydrogen → Ammonia</p> <p>d) Aluminum + Hydrochloric acid → Aluminum chloride + Hydrogen.</p>	
<b>BIOLOGY</b>	Ch - 3 : Endocrine System and Adolescence	<p>Q1. What are hormones?</p> <p>Q2. Differentiate between endocrine and exocrine glands.</p> <p>Q3. Why is pituitary gland called the master gland?</p> <p>Q4. Write the functions of the following hormones:-</p> <p>a) Thyroxine</p> <p>b) Adrenaline</p> <p>c) Insulin</p> <p>d) Glucagon</p> <p>Q5. Name the deficiency disease caused by the hyposecretion of thyroxine hormone and Insulin.</p>	<p><a href="https://youtu.be/AVRev-A5L4k">https://youtu.be/AVRev-A5L4k</a></p>	
	Module 2 Adolescence	<p>Q1. Draw a table to state the important physical changes occurring in boys and girls during puberty.</p> <p>Q2. Define :- a) Puberty b) Stress.</p> <p>Q3. List three practices to maintain the personal hygiene.</p> <p>Q4. Write any four activities to overcome stress.</p>	<p><a href="https://youtu.be/Q---eUEDy7w">https://youtu.be/Q---eUEDy7w</a></p>	
	Module 3	Discussion of Questions and Answers		

	<b>HIST</b>	Topic	Module/Assignment	Reference links
		<b>India in the 18<sup>th</sup> Century</b>	<p><b>I. Fill in the blanks:</b></p> <ol style="list-style-type: none"> <li>1. The 14 successors of Aurangzeb are called the..... Later Mughals.</li> <li>2. ....was the last mughal emperor of India.</li> <li>3. Bahadur Shah Zafar was dethroned by the .....</li> <li>4. For about ..... years, Aurangzeb remained in the Deccan .</li> <li>5. Auranzeb did not follow the policy of .....</li> </ol> <p><b>II. Write true or false :</b></p> <ol style="list-style-type: none"> <li>1. Nadir shah was the ruler of Afghanistan .....</li> <li>2. Ahmad Shah Abdali, hastened the fall of the Mughal empire in India.....</li> <li>3. The later Mughals were truly efficient. ....</li> <li>4. The war of succession weakened the Mughal empire. .....</li> <li>5. Auranzeb followed the policies of Religious tolerance. .....</li> </ol>	<a href="https://www.youtube.com/watch?v=TOOzpVfgFV8">https://www.youtube.com/watch?v=TOOzpVfgFV8</a>

<b>GEOG</b>	Ch – 3 : MIGRATION  Module – I Topic – Causes of migration	Q1. Define: (a) Inland migration      (b) International migration.  Q2. Answer in brief: (a) What is the meaning of urban to rural migration?  (b) Mention the pull factor behind migration.	<a href="https://youtu.be/FT1HbCKUkJ0">https://youtu.be/FT1HbCKUkJ0</a>
	Module – II Topic – Types of migration	Q1. What are the causes of rural-urban migration?  Q2. Define: (a) Immigrant                      (b) Emigrant.  Q3. Fill in the blanks: (a) Migrants generally do many _____ jobs at low wages.  (b) Nomadic movement is not migration as it is _____.	<a href="https://youtu.be/uCpxj_kLfdY">https://youtu.be/uCpxj_kLfdY</a>
	Module – III Topic – Impact of migration	Q1. Answer in brief: (a) State any two advantages of migration to destination country.  (b) Why does migration have an impact on the social structure of a region?  Q2. Define: (a) Culture                              (b) Racism.	<a href="https://youtu.be/wqaChhLsRyo">https://youtu.be/wqaChhLsRyo</a>
	Module – IV Topic – Drain Brain [Causes and Impact]	Q1. Differentiate between: Pull and Push factors.  Q2. Answer in brief: Why does brain drain have negative impact on India?  Q3. Give reason: The trend of brain drain is considered a problem in the developing countries.	<a href="https://youtu.be/KUOk9jg1FIM">https://youtu.be/KUOk9jg1FIM</a>



	Comp	Chapter-1 Operating System and Graphical User Interface	<p>1. Fill in the blanks :-</p> <ul style="list-style-type: none"><li>a. In _____ many can share the recourses of the computer.</li><li>b. In _____ data is processed at the same instance as it comes in.</li><li>c. _____ is an open-source Operating System.</li><li>d. A _____ user operating system is designed for one user.</li><li>e. _____ is also known as Command Line Interface.</li></ul> <p>2. Short answer type questions.</p> <ul style="list-style-type: none"><li>a. Name two ways by which you can protect unauthorized access to data programs.</li><li>b. State one function of File –Management in an Operating System.</li><li>c. What is I/O controller?</li><li>d. Write two examples of Single and Multiuser System.</li><li>e. Write Two real world systems or applications where you use a GUI.</li><li>f. Define Multi-Tasking System.</li><li>g. Define Multiprocessor System.</li><li>h. Define Time Sharing System.</li></ul>	
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**DIRECTOR ACADEMICS**