

KERALA PUBLIC SCHOOLS
HOME ASSIGNMENT (6TH to 11TH July 2020)



CLASS	SUBJECT	TOPIC / CHAPTER	MODULE / ASSIGNMENT	REFERENCE LINKS
X	ENGLISH LANG	ACTIVE AND PASSIVE VOICE: - TOTAL ENGLISH BOOK. Page no. 10 – 11 REVISION 06.07.2020	Rewrite the following sentences as per the instruction given. Do not alter the meaning. 1. We must listen to his song. (End :.... must be listened) 2. We saw an elephant cross the road. (Begin : An elephant....) 3. Avoid the easy solutions. (End: be avoided.) 4. Vikram hoped to succeed his father. (End: by Vikram to succeed his father) 5. Labourers are loading the cart. (Begin: The cart.....) 6. The citizens accused him of the various offences. (Begin: He was accused.....) 7. He was known to be a kind man. (End: him to be a kind man.) 8. The joker made us laugh. (Begin: We were) 9. Too much is being taken for granted. (Begin: They are.....) 10. Have they done the homework? (Begin : Has the)	https://www.englishpage.com
		Precis Writing (REVISION) 08.07.2020	Read the passage given below: Mike and Morris lived in the same village. While Morris owned the largest jewellery shop in the village, Mike was a poor farmer. Both had large families with many sons, daughters-in-law and grandchildren. One fine day, Mike, tired of not being able to feed his family, decided to leave the village and move to the city where he was certain to earn enough to feed everyone. Along with his family, he left the village for the city. At night, they stopped under a large tree. There was a stream running nearby where they could freshen up themselves. He told his sons to clear the area below the tree, he told his wife to fetch water and he instructed his daughters-in-law to make up the fire and started cutting wood from the tree himself. They didn't know that in the branches of the tree, there was a thief hiding. He watched as Mike's family worked together and also noticed that they had nothing to cook. Mike's wife also thought the same and asked her husband " Everything is ready but what shall we eat?". Mike raised his hands to heaven and said " Don't worry. He is watching all of this from above. He will help us." The thief got worried as he had seen that the family was large and worked well together. Taking advantage of the fact that they did not know he was hiding in the branches, he decided to make a quick escape. He climbed down safely when they were not looking	http://www.superteacherworksheets.com

		<p>and ran for his life. But, he left behind the bundle of stolen jewels and money which dropped into Mike’s lap. Mike opened it and jumped with joy when he saw the contents. The family gathered all their belongings and returned to the village. There was great excitement when they told everyone how they got rich. Morris thought that the tree was miraculous and this was a nice and quick way to earn some money. He ordered his family to pack some clothes and they set off as if on a journey. They also stopped under the same tree and Morris started commanding everyone as Mike had done. But no one in his family was willing to obey his orders. Being a rich family, they were used to having servants all around. So, the one who went to the river to fetch water enjoyed a nice bath. The one who went to get wood for fire went off to sleep. Morris’s wife said ” Everything is ready but what shall we eat ?” Morris raised his hands and said, ” Don’t worry. He is watching all of this from above. He will help us.” As soon as he finished saying, the thief jumped down from the tree with a knife in hand. Seeing him, everyone started running around to save their lives. The thief stole everything they had and Morris and his family had to return to the village empty handed, having lost all their valuables that they had taken with them.</p>	
	<p>Precis Writing 09.07.2020</p>	<p>(Read the passage given as assignment on 8.7.2020). In not more than 50 words write how did Morris’s family behaved to his commands when they reached under the tree.</p>	<p>http://www.superteacherworksheets.com</p>
<p>ENGLISH LIT</p>	<p>MERCHANT OF VENICE Act IV Scene i 07.07.2020</p>	<p>Extract Duke: But, touched with human gentleness and love ,..... We all expect a gentle answer, Jew. (Line: 26 to 35)</p> <ol style="list-style-type: none"> 1. In what way does the Duke expect Shylock to mitigate his stand towards the forfeiture? 2. What is meant by the moiety of the principal? 3. Why does the Duke request Shylock to have mercy on Antonio? 4. Who are the Turks and Tartars? What is said about them in the extract? 5. Why does Shylock refuse to have mercy on Antonio? 	<p>https://www.icserankers.com/2019/12/the-merchant-of-venice-act4-scene1-questions-and-answers.html?m=1</p>

	<p>MERCHANT OF VENICE Act IV Scene i 10.07.2020</p>	<p>Extract I pray you, think you question with the Jew: As seek to soften that, - than which what's harder? - (Line: 71 to 80)</p> <ol style="list-style-type: none"> 1. What argument takes place just before this extract? 2. Give examples from the extract to show that it is useless to plead with the Jew to show Mercy. 3. What reasons does Shylock give for his hatred for Antonio? 4. Bassanio offers Shylock six thousand ducats. What is Shylock's reaction to the offer? 5. Give the meaning of 'bate his usual height'. 	<p>https://www.icserankers.com/2019/12/the-merchant-of-venice-act4-scene1-questions-and-answers.html?m=1</p>
	<p>MERCHANT OF VENICE Act IV Scene i 11.07.2020</p>	<p>Extract Bassanio: Good cheer, Antonio! What, man, courage yet! Than to live still, and write mine epitaph.(line 113 to 120)</p> <ol style="list-style-type: none"> 1. How does Bassanio encourage Antonio assuring him of every help? 2. What is an epitaph? 3. Why does Antonio talk about an epitaph at this time? 4. State the generous offer made by Bassanio to save his friend just before the extract. 	<p>https://www.icserankers.com/2019/12/the-merchant-of-venice-act4-scene1-questions-and-answers.html?m=1</p>
MATHS	<p>Ch - 7 : Ratio and Proportion</p>	<p>29/06/20 – Module 8 Ex.7.2: Q1 – Q14 30/06/20 – Module 9 Ex.7.3: Q1 – Q16</p>	<p>https://youtu.be/JOZSFwuyqok</p> <p>https://youtu.be/BXcUPrhJhiU</p>
	<p>Ch - 8 : Matrices</p>	<p>01/07/20 – Module 1 Ex.8.1: Q1 – Q10 02/07/20 – Module 2 Ex.8.2: Q1 – Q15 03/07/20 – Module 3 Ex.8.3: Q1 – Q20 04/07/20 – Module 4</p>	<p>https://youtu.be/WTaBqjmjteU</p> <p>https://youtu.be/lCnjzkZOtcU</p>

		Ch-10 Reflection 06/07/20 – Module 1 Ex.10: Q1 – Q10 07/07/20 – Module 2 Ex.10: Q11 – Q20 08/07/20 – Module 3 Ex.3.2: Q21 – Q29	https://youtu.be/gP_dbSCmT2A https://youtu.be/ErmIDQnPm20
		Ch-9 Arithmetic and Geometric Progressions 09/07/20 – Module 1 Ex.9.2: Q1 – Q20 10/07/20 – Module 2 Ex.9.3: Q1 – Q12 11/07/20 – Module 3 Ex.9.4: Q1 – Q20	https://youtu.be/ymDjmBFwROg https://youtu.be/URS6GeM7KgY https://youtu.be/CSgtTCN7Z34
PHYSICS	Ch – 4 : Refraction of light at plane surface Topics: *Simple application of refraction of light *Critical angle *Total internal reflection	Q1. What is total internal reflection? Q2. State two conditions necessary for total internal reflection to occur. Q3. Name two factors which affect the critical angle for a given pair of media. State how do the factors affect it. Q4. Draw diagrams to illustrate critical angle and total internal reflection. Q5. Draw a ray diagram to show the appearance of a stick partially immersed in water.	https://youtu.be/5xmIuY0wbIU

		<p>Ch – 4 : Refraction of light at plane surface Topics: To deviate a ray through 90°, 180° To erect the inverted image without deviation.</p>	<p>Q1. Show with the help of a diagram how a total reflecting prism can be used to turn a ray of light through 90°. Name one instrument in which such a prism is used.</p> <p>Q2. Show with the help of a diagram how to erect the inverted image without deviation.</p>	<p>https://youtu.be/eW8ESIMUayQ</p>
<p>CHEMISTRY</p>			<p>A. Fill in the Blanks :</p> <ol style="list-style-type: none"> An acid is defined as a compound which, when dissolved in water, gives _____ (hydroxide / hydronium) ion as the only _____ (positively / negatively) charged ion. An / a _____ (acid / basic) salt is the one in which hydrogen of an acid has been partially replaced by a _____ (metal non metal) (2003) _____ salts are formed by the complete neutralization of an acid and a base. (2004) _____ neutralize acids to form salt and water. As the acidity of hydrochloric acid solution increase, its pH _____. Alkalis liberate _____ gas from ammonium salts on heating. Metals above hydrogen in the activity series react with acids to form salts and liberate _____ gas. _____ of a base is the number of replaceable OH⁻ ions present in one molecule of the base. Salts containing water of crystallization are called _____. _____ are those which absorb water vapour (moisture) from the atmosphere without dissolving in it. _____ indicators can differentiate between the acidic or basic solutions of different pH values. _____ is the process in which the acid and base react to form salt and water. 	

		<p>13. FeCl₃ is stored in air tight bottles because it is a _____ substance.</p> <p>14. The basicity of acetic acid is _____. (2014)</p> <p>15. Higher the pH value of a solution, the more _____ (acidic / alkaline) it is. (2016)</p> <p>16. When a metallic oxide is dissolved in water, the solution formed has a high concentration of _____ ions. (H⁺, H₃O⁺, OH⁻) (2017)</p> <p>17. The salt prepared by the method of direct combination is _____ - (iron (II) chloride / iron (III) chloride). (2018)</p>	
		<p>B. State whether the following statements are 'True' or 'False'. If false, then rewrite the correct statement.</p> <ol style="list-style-type: none"> Basic salts contain one or more replaceable hydrogen ions. Acid strength increases with increasing pH value. A weak acid remains a weak acid even if it is concentrated because it dissociates to a small extent. Soluble salts are prepared by neutralization while insoluble salts are prepared by precipitated method. Phenolphthalein gives pink colour in acidic medium. An aqueous solution of sodium carbonate will turn blue litmus red. Carbon dioxide gas is evolved with brisk effervescence when dilute hydrochloric acid is added to zinc granules 	
		<p>C. Name the following :</p> <ol style="list-style-type: none"> The property by which certain hydrated salts, when left exposed to atmosphere, lose their water of crystallization and crumble into powder. (2018) A compound, which is soluble in water and the only negative ions in the solution are the hydroxide ions. An oxide, which forms salts when it reacts with both acid and alkalis. An acid used in food preservation. The insoluble solid formed when two solutions are mixed together. An acidic solution in which there is only partial ionization of the solution molecules. 	

			<p>7. What is the difference between :</p> <p>(ii) A base and a alkali (ii) strong alkalis and weak alkalis (iii) strong acid and week acid</p> <p>8. Dry HCl gas does not change the colour of dry litmus paper why ?</p> <p>9. Define the term</p> <p>(i) Salt (ii) acid salt (iii) normal salt</p> <p>10. What kinds of salts are prepared by precipitation?</p> <p>11. Name the procedure used to prepare a sodium salt such as sodium sulphate.</p> <p>12. Give the name of a soluble salt of lead and write the equation for the effect of heat on this salt.</p> <p>13. Explain what the statement is not correct “lead chloride” can be prepared by adding dilute hydrochloric acid to lead sulphate solution.</p> <p>14. Define an indicator. Explain why a universal indicator is prepared to acid-base indicator?</p> <p>15. Define the term neutralization.</p> <p>16. (i) Explain the term ‘salt hydrolysis’.</p> <p>(ii) Name two salts which are (a) acidic (b) basic (c) neutral, when dissolved in water.</p> <p>17. What do you understand by water of crystallization ? Give two examples of substances which contain water of crystallization.</p> <p>18. Name two crystalline substances which do not contain water of crystallization.</p> <p>19. Define efflorescence. Give one example of an efflorescent substance.</p> <p>20. Define deliquescence. Give one example of a deliquescent substance.</p> <p>21. Distinguish between a drying and a dehydrating agent.</p> <p>22. Explain clearly how conc. H₂SO₄ is used as dehydrating ass well as drying agent?</p> <p>23. Explain why on heating blue copper sulphate crystals become white?</p>	
	<p>HISTORY / CIVICS</p>	<p>06.07.2020</p> <p>The Union Executive :The Prime Minister,Cabine t and Council of Ministers</p>	<p>Exercises:-</p> <p>1. Who is at the head of the Union Council of Ministers?</p> <p>2.Can the President function without the Council of Ministers?</p> <p>3 By whom is the Prime Minister appointed?</p> <p>4. Mention the circumstances under which the President may exercise some discretion in selecting the Prime Minister.</p> <p>5.How is the Prime Minister a link between the Cabinet and the President?</p>	<p>https://youtu.be/w_O-giEX9XA</p>

		<p>07.07.2020 The Union Executive :The Prime Minister,Cabinet and Council of Ministers</p>	<p>6.Mention any two ways in which the Constitution ensures the pre-eminent position of the Prime Minister in relation to the Union Council of Ministers. 7.How can we say that the Prime Minister occupies a unique position in the Parliament? 8.What role does the Prime Minister play as a Leader of the Nation? 9.Mention any two important functions (powers) of the Prime Minister. 10.Mention any two limitations on Prime Minister's position and authority. Or Can Prime Minister become authoritarian in his behavior? Give two reasons for your answer.</p>	<p>https://youtu.be/K_nLlw9nzZU</p>
		<p>08.07.2020 The Union Executive :The Prime Minister,Cabinet and Council of Ministers</p>	<p>11 By whom and on whose advice are the Ministers appointed? 12 Under what provision can a non-MP be appointed as Minister? Or Is there a Constitutional bar on persons who are not Members of Parliament, becoming Ministers? 13 Who shall administer the (a) Oath of Office and (b) Oath of Secrecy to the Union Ministers? What do they affirm under the Oaths?</p>	<p>https://youtu.be/_6OMgs5CA_0</p>
		<p>09.07.2020 The Union Executive :The Prime Minister,Cabinet and Council of Ministers</p>	<p>14 Name the two important categories of Ministers in the Union Council of Ministers. 15 What is meant by the Cabinet? 16 Mention any two important functions of the Union Council of Ministers.(the Cabinet). 17. How long can a Ministry stay in office?</p>	<p>https://youtu.be/_VnacpcXxa4</p>
		<p>10.07.2020 The Union Executive :The Prime Minister,Cabinet and Council of Ministers</p>	<p>18. What happens to a Ministry that has lost the Confidence of the Lok Sabha? 19 Mention any two ways in which the Parliament exercises an effective control over the Executive (Council of Ministers).</p>	<p>https://youtu.be/YUoYYmZfH5c</p>

	11.07.2020 The Union Executive :The Prime Minister,Cabine t and Council of Ministers	<u>Structured Questions</u> Discuss the powers and functions of the Prime Minister of India with reference to the following: (a) His relations with the President (b) His position in the Parliament	https://youtu.be/jor9BJ06Pdc
GEOGRA PHY	Water Resources	I. Answer the following questions:- a) What are the defects of inundation canals? What are its advantages? b) What are perennial canals? What are its advantages and disadvantages? c) What are tubewells? What conditions are necessary for building tubewell? d) Why is canal irrigation more suitable in northern India as compared to southern India? e) Mention some of the advantages of well irrigation. f) Why is irrigation mostly done by tanks in peninsular India?	https://youtu.be/wRcG3T0ugQ
ECONOMI C APPLICA TION	Chap5:Factors of production: Capital and Entrepreneur.	I. Answer in brief: Q1. Define capital. Does it include financial capital? Q2. Distinguish between physical capital and financial capital. Q3. State the major categories of capital. Q4. Differentiate between floating and sunk capital. Q5. 'Capital is a passive factor of production'. Justify the statement. Q6. State two differences between land and capital. Q7. What is meant by capital formation? Q8. State any two factors affecting capital formation in a country. Q9. Differentiate between wealth and capital. Q10. Give the characteristics of an Entrepreneur. Q11. State two qualities of a successful entrepreneur. II. Answer in detail: Q1. Define capital and its components . Q2. Explain three important functions of capital. Q3. What is capital formation? What are three stages of capital formation? Q4. What are the functions performed by an entrepreneur? Discuss his role in economic development. Q5. Explain four ways by which an entrepreneur can promote economic development.	https://youtu.be/PJQrjW62Ijk https://youtu.be/VZD7dTSHmIo


```
Q4. Bubble sort program
import java.util.*;
class bubble_sort
{
    public static void main(String args[])
    {
        Scanner in=new Scanner(System.in);
        int a[]=new int[8];

        int i,j,temp=0;
        System.out.println("Enter elements in array");
        for(i=0;i<8;i++)
        {
            a[i]=in.nextInt();
        }
        System.out.println("Enter elements in array");
        for(i=0;i<8-1;i++)
        {
            for(j=0;j<7-i;j++)
            {
                if (a[j]> a[j+1])
                {
                    temp=a[j];
                    a[j]=a[j+1];
                    a[j+1]=temp;
                }
            }
        }
        System.out.println("Array elements are in ascending order");
        for(i=0;i<8;i++)
        {
            System.out.println(a[i]);
        }
    }
}
```

Rakshmi

DIRECTOR ACADEMICS