

**KERALA PUBLIC SCHOOLS**  
**ACADEMIC YEAR 2021-22**  
**HOME ASSIGNMENT (19-07-2021 to 31-07-2021)**



CLASS	SUBJECT	CHAPTER	TOPIC	WEBLINK
X	ENGLISH LANG	Do as Directed  Date: 20.07.2021	<ol style="list-style-type: none"> <li>1. They demanded to know what had happened. (Use: insist)</li> <li>2. As soon as the chief guest arrived, all stood up to greet him. (Begin : No sooner.....)</li> <li>3. He opened the door and asked for my permission. ( Begin : Hardly .....}</li> <li>4. You have to pay or you cannot leave this place. ( Begin: Unless.....)</li> <li>5. He handed everyone a packet of sweets. (Begin : Everyone.....)</li> <li>6. No sooner did the king come to know of this than he was furious.(Begin: As soon as.....)</li> <li>7. You have been very fortunate. (End : ..... have been!)</li> <li>8. I have never seen such a mess. (Begin: Never...)</li> <li>9. It is necessary for him to attend the meeting. (Begin: He must....)</li> <li>10. I closed my eyes and the telephone rang. (Begin : Hardly .....)</li> </ol>	<a href="https://www.englishpractice.com/granmar/rewrite-directed-2/">https://www.englishpractice.com/granmar/rewrite-directed-2/</a>
		Narrative Composition 25.07.2021	Topic:Describe an incident in which you felt you were the victim of envy or spite.	<a href="https://youtu.be/Pf7ywwfCJUo">https://youtu.be/Pf7ywwfCJUo</a>
		Do as Directed  Date: 30.07.2021	<ol style="list-style-type: none"> <li>(i) Besides keeping a watch on his movements, the police tapped his phones. (Use: not only, but also)</li> <li>(ii) Nobody will deny that she is honest. (Begin: Everyone...)</li> <li>(iii) But for your help, I would not have succeeded. (Begin: If you...)</li> <li>(iv) He has lived here since the day he was born. (Use: life)</li> <li>(v) The principal promised to look into the case. (Begin: The Principal said,"...)</li> </ol>	<a href="https://www.englishpractice.com/granmar/rewrite-directed-2/">https://www.englishpractice.com/granmar/rewrite-directed-2/</a>
	ENG LIT	Merchant of Venice Act IV Scene 1	<b>Extract:</b> <b>Antonio :</b> I have heard..... ..... The very tyranny and rage of his (line no – 7 to 14) <ol style="list-style-type: none"> <li>1. Where does this scene take place? What has the Duke said before this extract about the hard hearted adversary?</li> <li>2. What rigorous course is referred to in the extract?</li> </ol> Why does Antonio say that no lawful means can carry him out of his enemy's reach?	<a href="https://youtu.be/TallV4UGPQw">https://youtu.be/TallV4UGPQw</a>

			<p>3. From the speech of the Duke, after the extract, give an example to show that the Duke was annoyed with Shylock.</p> <p>4. In what mood are Shylock and Antonio at this juncture?</p>	
		<p><b>Merchant of Venice</b></p> <p><b>Act IV Scene 1</b></p>	<p><b>Extract</b></p> <p><b>Duke:</b>  <b>But, touched with human gentleness and love.....</b>  <b>..... we all expect a gentle answer, Jew.</b></p> <p>1. In what way does the Duke expect Shylock to mitigate his stand towards the forfeiture?</p> <p>2. What is meant by 'moiety of the principal' ? Why does the Duke request Shylock to have mercy on Antonio?</p> <p>3. Who are the Turks and Tartars? What is said about them in the extract?</p> <p>4. Why does Shylock refuse to have mercy on Antonio?</p>	
		<p><u><b>Merchant of Venice</b></u></p> <p><u><b>Act IV Scene 1</b></u></p>	<p><b>Extract</b></p> <p><b>Shylock:</b>  Now, for your answer:.....  .....A losing suit against him. Are you answer'd ?</p> <p>1. What question is Shylock answering in the context? What examples does he give in the extract to justify his position for not giving a firm reason?</p> <p>2. How does Bassanio react to what Shylock says in the extract?</p> <p>3. If Antonio is shown mercy by the Duke, against the wishes of Shylock, what would be its implication?</p> <p>4. Show how tense the court scene has become as Shylock fights for his legal right against the rest.</p>	
	<b>HISTORY</b>	<b>Ch-13 Second World War</b>	<p><b>Answer the following questions.</b></p> <p>1. Mention any two causes that led to the Second World War in 1939.</p> <p>2. What was named as the Berlin-Rome-Tokyo Axis?</p> <p>3. Mention any two Hitler's acts of aggression that led to the Second World War.</p> <p>4. How did the Failure of the League of Nations contribute to the Second World War?</p> <p>5. What was the immediate cause of World War II?</p> <p><b>NOTE: Read the chapter thoroughly before answering the questions and try to write your answers in points.</b></p>	<p><a href="https://youtu.be/AUXluYHFgBE">https://youtu.be/AUXluYHFgBE</a></p>

	<b>GEOGRAPHY</b>	<b>MINERALS AND ENERGY RESOURCES.</b>	<p>1. Answer the following questions:-</p> <p>a) What are the uses of Iron-ore?</p> <p>b) What are the drawbacks of coal mines in India?</p> <p>c) How can we solve the problem related to coal?</p> <p>d) Why is petroleum known as 'liquid gold'?</p> <p>e) What is offshore drilling? What do you understand by 'Mumbai High'?</p> <p>f) Why most of the oil refineries located in the coastal region?</p> <p>g) Why is manganese used in steel industry?</p> <p>h) Which is the best variety of iron ore and why?</p> <p>i) Which is the oldest and richest coalfield of India?</p> <p>j) Why is coal mainly used near the source of production whereas mineral oil is often transported over great distances?</p> <p>k) Mention two advantages and two disadvantages of conventional sources of energy.</p> <p>l) What is solar energy? How it can be converted into thermal energy?</p> <p>m) What are the suitable conditions for harnessing wind energy?</p> <p>n) What are the advantages of bio gas energy?</p> <p>o) What is nuclear energy?</p> <p>p) Why natural gas is becoming important? Where is it found in India?</p>	<a href="https://youtu.be/zjR6BtfvGMU">https://youtu.be/zjR6BtfvGMU</a>
	<b>MATHS</b>	<b>Factorisation</b> <b>19.07.2021</b>  <b>21.07.2021</b>	<p>EX 6 Q. NO. 1, 3, 4, 5, 6,7, 9, 10</p> <p>Ex 6 Q. no. 11 13, 15, 17, 19, 20</p> <p>Also solve all the examples.</p>	<a href="https://youtu.be/-rNK18NQ1Ik">https://youtu.be/-rNK18NQ1Ik</a>  <a href="https://youtu.be/QdpURjDk9rQ">https://youtu.be/QdpURjDk9rQ</a>
		<b>RATIO &amp; PROPORTION</b> <b>23.07.2021</b>  <b>25.07.2021</b>	<p>MODULE: PROPORTION</p> <p>EX 7.2 Q. No. 5, 6, 7, 14, 15, 16, 19, 22.</p> <p>EX 7.3 Q.No. 1,2,4,7, 8, 11</p>	<a href="https://youtu.be/6ZCO9dZJ_54">https://youtu.be/6ZCO9dZJ_54</a>  <a href="https://youtu.be/wbU31zOvqB0">https://youtu.be/wbU31zOvqB0</a>

		<b>27.07.2021</b>	EX 7.3 Q.No. 12, 14, 16, 17, 19, 20	
		<b>29.07.2021</b>	Solve all examples.	
	<b>PHYSICS</b>	<b>REFRACTION OF LIGHT Through lens</b> <b>19.072021</b>	Module: Lens and refraction through lens Ex. 5(A) Q. No. 1, 2, 7, 8, 9, 11, 13, 16, 20, 22, 24, 27	<a href="https://youtu.be/FDKlu-KYwl8">https://youtu.be/FDKlu-KYwl8</a>
		<b>21.072021</b>	Module: Formation of image by lens Ex 5(B) Q. No. 3, 8, 9, 10, 13, 14,16	<a href="https://youtu.be/Ty8fP-pH6XY">https://youtu.be/Ty8fP-pH6XY</a>
		<b>25.07.2021</b>	Module: sign convention Ex 5(C) Q. No. 1, 4, 5, 6, 7.	
	<b>Chem</b>	<b>Ammonia</b>	<p>Answer the following questions on the basis of preparation of ammonia in laboratory:</p> <ol style="list-style-type: none"> <li>1. Name the reactants used.</li> <li>2. Write the balanced equation.</li> <li>3. Why is the flask tilted?</li> <li>4. Name the drying agent used and why?</li> <li>5. How the gas is collected and why?</li> <li>6. Why is the alkali taken in a higher ratio?</li> <li>7. Why ammonia cannot be prepared by heating ammonium nitrate or ammonium nitrite?</li> <li>8. By which method aqueous ammonia is prepared?</li> </ol> <p>Write the balanced equation</p> <ol style="list-style-type: none"> <li>1. Reaction of ammonia with copper oxide</li> <li>2. Ammonia gas is passed through heated lead monoxide.</li> <li>3. Catalytic oxidation of ammonia</li> <li>4. Burning ammonia in oxygen</li> <li>5. Excess ammonia reacts with chlorine</li> <li>6. Excess chlorine reacts with ammonia.</li> <li>7. Reaction of ammonia with sulphuric acid</li> <li>8. Reaction of aqueous ammonia with nitric acid.</li> </ol>	

		<p>9. Reaction of ammonium hydroxide with copper sulphate solution. 10. Reaction of aqueous ammonia with iron (III)chloride.</p> <p>Answer the following questions</p> <ol style="list-style-type: none"> <li>1. Name two gases which can be used to study fountain experiment.</li> <li>2. Which special property is proved by fountain experiment.</li> <li>3. Dry ammonia is neutral to litmus . Why?</li> <li>4. Name the method by which ammonia is produced in a large scale.</li> <li>5. Gas A and Gas B reacts to produce an acidic gas C and an explosive liquid D. Gas C when come in contact with gas A gives a dense white fumes of E. Gas A when passed through solution F ,which is blue colour, gives a light precipitate G. Gas A turns moist red litmus blue.</li> </ol> <p>Identify A,B ,C,D,E,Fand G.</p>	
<b>BIOLOGY</b>	<b>CIRCULATORY SYSTEM</b>	<p><b>A. Answer the following questions:-</b></p> <ol style="list-style-type: none"> <li>1. What is blood pressure?</li> <li>2. Name the instrument by which blood pressure is measured.</li> <li>3. What is the composition of lymph ?</li> <li>4. Write four functions of lymph.</li> <li>5. Name two lymphatic organs.</li> <li>6. Write four functions of spleen.</li> <li>7. What is pulse?</li> <li>8. Which kind of cells are mostly found in lymph?</li> <li>9. Give reason: A mature mammalian erythrocyte lacks nucleus and mitochondria.</li> </ol> <p><b>B. Distinguish between the following:-</b></p> <ol style="list-style-type: none"> <li>1. Systole and Diastole</li> <li>2. Arteriole and Venule</li> <li>3. Universal donor and Universal recipient.</li> <li>4. Arteries and Veins</li> <li>5. Haemoglobin and Chlorophyll</li> </ol> <p><b>C. Mention the function of the following:-</b></p> <ol style="list-style-type: none"> <li>1. Spleen</li> <li>2. Hepatic portal vein</li> <li>3. S.A.N</li> </ol>	<p><a href="https://youtu./diG519dFVNs">https://youtu./diG519dFVNs</a></p> <p><a href="https://youtu.be/cCPvWFK0IKs">https://youtu.be/cCPvWFK0IKs</a></p>

		<p><b>GENETICS</b></p>	<p><b>Answer the following questions:</b></p> <ol style="list-style-type: none"> <li>1. Who is known as Father of Genetics?</li> <li>2. What do you mean by the term heredity?</li> <li>3. What is the difference between character and traits?</li> <li>4. What is karyotype</li> <li>5. What are homologous chromosomes?</li> <li>6. Differentiate between genes and genome.</li> <li>7. What is a monohybrid cross?</li> </ol> <p><b>From the exercise of the chapter:</b></p> <p>Q.E 1 &amp; E3</p>	<p><a href="https://youtu.be/NHdZT_IPoV8">https://youtu.be/NHdZT_IPoV8</a></p>
<p><b>Computer Application</b></p>	<p><b>DECISION MAKING AND LOOPING</b></p>		<ol style="list-style-type: none"> <li>1. Convert the following math expression into Java Statement. <ol style="list-style-type: none"> <li>a. <math>2(l+b)</math></li> <li>b. <math>A = \pi r^2</math></li> <li>c. <math>a^2 + b^2 = c^2</math></li> <li>d. <math>1 + \frac{n}{1!} + \frac{n(n-1)x^2}{2!}</math></li> <li>e. <math>A = 2\pi r</math></li> <li>f. <math>SI = \frac{P}{1}</math></li> <li>g. <math>p = a^2 + bc</math></li> <li>h. <math>s = ut + \frac{1}{2} at^2</math></li> <li>i. <math>y = 2(lb + bh + lh)</math></li> <li>j. <math>x^3 + y^3 - xy/z</math></li> </ol> </li> <li>2. i. Convert the following if-else if code into Switch case <pre> if(v==1) {     System.out.println("Good Morning"); } else if (v==2) {     System.out.println("Good Afternoon"); } else if (v==3) {     System.out.println("Good Evening"); } else if (v==4) {     System.out.println("Good Night"); } else {     System.out.println("Wrong entry"); } </pre> </li> </ol>	

ii. Convert switch case to if else

```
switch (ch)
{
    case 1:
        System.out.println("One");
        break;
    case 2:
        System.out.println("Two");
        break;
    default: System.out.println("Invalid Input");
}
```

3. Convert the following for loop code into while loop

int i;

a. for(i=1;i<=10;i++)

```
{
    System.out.println((i*i*i)+" ");
}
```

b. for(i=1;i<=10;i++)

```
{
    System.out.println(((i*i*i)-1)+" ");
}
```

c. for(i=1;i<=10;i++)

```
{
    System.out.println((i*i)+" ");
}
```

d. for( i=5;i<=10;l++)

```
{
    System.out.println(((i*i)*2)+" ");
}
```

4. Circle the error and rewrite correct program.

```
Public class Hello
{
Public static void main(String args{})
{
Si=prt/100:
System.Out.Println(Simple interest is *si):
}
}
```

5. Give the output [Show working]

```
int i;
```

a. for(i=1;i<=10;i++)

```
{
System.out.println((i*2*i)+" ");
}
```

b. for(i=1;i<=10;i++)

```
{
System.out.println(((i*i*i)-1)+" ");
}
```

c. for(i=1;i<=10;i++)

```
{
System.out.println((i*i)+" ");
}
```

d. for(i=1;i<=n;i++)

```
{
System.out.println(((i*i)*4)+" ");
}
```

e. for(i=5;i<=10;i++)

```
{
System.out.println(((i)*4)+" ");
}
```

			<pre>f. for(i=88; i&gt;=25; i-- ) { System.out.println(((i+" ")); }  g. for(i=8; i&gt;=24; i++) { System.out.println(((i+" ")); }</pre>	
<b>HINDI</b>	<b>नेताजी का चश्मा</b>	<p>संदर्भ - "हालदार साहब को हर पंद्रहवें दिन कंपनी के काम के सिलसिले में उस कस्बे से गुजरना पड़ता था।"</p> <p>प्रश्न 1. कय ?</p> <p>प्रश्न 2. स्व , व्य ख्य ?</p> <p>प्रश्न 3. कय ?</p> <p>प्रश्न 4. प्र ?</p> <p>स्व -</p> <p>रू , ध्य</p> <p>प्रश्न 1. ?</p> <p>प्रश्न 2. ? कय ?</p> <p>प्रश्न 3. स्व न्ह कय क्षे ?</p> <p>प्रश्न 4. कय प्र क्रे ? व्यक्ति ?</p>		
<b>Commercial Studies</b>	<b>Chap 10 - Sources of Finance Chap 14 - Banking</b>	<p><b>I. Answer in detail :</b></p> <p>Q1. What are the sources of long term finance for a business enterprise? Explain.</p> <p>Q2. What is capital market ? State its function ?</p> <p>Q3. State five difference between Equity share and preference share?</p> <p>Q4. State any four ways by which business firms can raise finance from commercial banks?</p> <p>Q5. State five difference between Central Bank and Commercial Bank?</p> <p>Q6. Explain any five functions of Central Bank of India?</p> <p>Q7. Differentiate between RTGS and NEFT?</p>	<p><a href="https://youtu.be/g2A0NrAJmDs">https://youtu.be/g2A0NrAJmDs</a></p> <p><a href="https://youtu.be/9tewgM_uArg">https://youtu.be/9tewgM_uArg</a></p>	

			<p>Q8. What is E-banking? State its two features ?</p> <p>Q9. What is meant by Cyber fraud?</p> <p>Q10. State four difference between Debit card and Credit card?</p>	
	<b>Economic Application</b>	<b>Chap 5- Factors of Production : Capital and Entrepreneur.</b>	<p><b>II. Answer in detail :</b></p> <p>Q1. Define Capital. Explain any five characteristics of capital?</p> <p>Q2. State three important functions of capital?</p> <p>Q3. What is capital formation ? Explain three reasons for low rate of capital formation in India ?</p> <p>Q4. What is an Entrepreneur Explain any three functions of Entrepreneur ?</p> <p>Q5. Explain four ways by which an Entrepreneur can promote economic development?</p>	<p><a href="https://youtu.be/4PA0vp1n8O8">https://youtu.be/4PA0vp1n8O8</a></p> <p><a href="https://youtu.be/VhYczgtrD8I">https://youtu.be/VhYczgtrD8I</a></p> <p><a href="https://youtu.be/9qkeE6CXClk">https://youtu.be/9qkeE6CXClk</a></p> <p><a href="https://youtu.be/BsbwCrj78yw">https://youtu.be/BsbwCrj78yw</a></p>

Rakshmi

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