

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

			<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>Merchant of Venice</p> <p>Act IV Scene 1</p>	<p>Extract</p> <p>Duke: But, touched with human gentleness and love..... we all expect a gentle answer, Jew.</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>Merchant of Venice</u></p> <p><u>Act IV Scene 1</u></p>	<p>Extract</p> <p>Shylock: 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>	
	HISTORY	Ch-13 Second World War	<p>Answer the following questions.</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>NOTE: Read the chapter thoroughly before answering the questions and try to write your answers in points.</p>	<p>https://youtu.be/AUXluYHFgBE</p>

	GEOGRAPHY	MINERALS AND ENERGY RESOURCES.	<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>	https://youtu.be/zjR6BtfvGMU
	MATHS	<p>Factorisation 19.07.2021</p> <p>21.07.2021</p>	<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>	<p>https://youtu.be/-rNK18NQ1lk</p> <p>https://youtu.be/QdpURjDk9rQ</p>
		<p>RATIO & PROPORTION 23.07.2021</p> <p>25.07.2021</p>	<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>	<p>https://youtu.be/6ZCO9dZJ_54</p> <p>https://youtu.be/wbU31zOvqB0</p>

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

		<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"> 1. Name two gases which can be used to study fountain experiment. 2. Which special property is proved by fountain experiment. 3. Dry ammonia is neutral to litmus . Why? 4. Name the method by which ammonia is produced in a large scale. 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. <p>Identify A,B ,C,D,E,Fand G.</p>	
BIOLOGY	CIRCULATORY SYSTEM	<p>A. Answer the following questions:-</p> <ol style="list-style-type: none"> 1. What is blood pressure? 2. Name the instrument by which blood pressure is measured. 3. What is the composition of lymph ? 4. Write four functions of lymph. 5. Name two lymphatic organs. 6. Write four functions of spleen. 7. What is pulse? 8. Which kind of cells are mostly found in lymph? 9. Give reason: A mature mammalian erythrocyte lacks nucleus and mitochondria. <p>B. Distinguish between the following:-</p> <ol style="list-style-type: none"> 1. Systole and Diastole 2. Arteriole and Venule 3. Universal donor and Universal recipient. 4. Arteries and Veins 5. Haemoglobin and Chlorophyll <p>C. Mention the function of the following:-</p> <ol style="list-style-type: none"> 1. Spleen 2. Hepatic portal vein 3. S.A.N 	<p>https://youtu./diG519dFVNs</p> <p>https://youtu.be/cCPvWFK0IKs</p>

		<p>GENETICS</p>	<p>Answer the following questions:</p> <ol style="list-style-type: none"> Who is known as Father of Genetics? What do you mean by the term heredity? What is the difference between character and traits? What is karyotype What are homologous chromosomes? Differentiate between genes and genome. What is a monohybrid cross? <p>From the exercise of the chapter:</p> <p>Q.E 1 & E3</p>	<p>https://youtu.be/NHdZT_IPoV8</p>
<p>Computer Application</p>	<p>DECISION MAKING AND LOOPING</p>		<ol style="list-style-type: none"> Convert the following math expression into Java Statement. <ol style="list-style-type: none"> $2(l+b)$ $A = \pi r^2$ $a^2 + b^2 = c^2$ $1 + \frac{n}{1!} + \frac{n(n-1)x^2}{2!}$ $A = 2\pi r$ $SI = \frac{P}{1}$ $p = a^2 + bc$ $s = ut + \frac{1}{2} at^2$ $y = 2(lb + bh + lh)$ $x^3 + y^3 - xy/z$ <ol style="list-style-type: none"> 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> 	

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>=25; i--) { System.out.println(((i+" ")); } g. for(i=8; i>=24; i++) { System.out.println(((i+" ")); }</pre>	
HINDI	नेताजी का चश्मा	<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. क्य ?</p> <p>प्रश्न 4. प्र ?</p> <p>स्व -</p> <p>रू , ध्य</p> <p>प्रश्न 1. ?</p> <p>प्रश्न 2. ? क्य ?</p> <p>प्रश्न 3. स्व हे क्य क्षे ?</p> <p>प्रश्न 4. क्य प्र क्रे ? व्यक्ति ?</p>		
Commercial Studies	Chap 10 - Sources of Finance Chap 14 - Banking	<p>I. Answer in detail :</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>https://youtu.be/g2A0NrAJmDs</p> <p>https://youtu.be/9tewgM_uArg</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>	
	Economic Application	Chap 5- Factors of Production : Capital and Entrepreneur.	<p>II. Answer in detail :</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>https://youtu.be/4PA0vp1n8O8</p> <p>https://youtu.be/VhYczgtrD8I</p> <p>https://youtu.be/9qkeE6CXClk</p> <p>https://youtu.be/BsbwCrj78yw</p>

Rakshmi

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