

KERALA PUBLIC SCHOOLS
HOME ASSIGNMENT (16th May to 20th May 2020)



CLASS	SUBJECT	TOPIC / CHAPTER	MODULE / ASSIGNMENT	REFERENCE LINKS
IX	Eng Language (11-5-20)	Tenses	<p><u>Q. Put verbs into suitable tenses:</u></p> <ol style="list-style-type: none"> They (drink)_____coffee when I arrived. When you arrive, you (travel)_____for two days. She often (play)_____tennis. I (see)_____them on the platform before they left. Next year we (go)_____to Paris. Ravi thinks he (lose)_____his watch on the road. <p>Answers-1.were drinking,2.shall have travelled,3.plays,4.saw,5.will go, 6.has lost</p>	<p>https://www.youtube.com/watch?v=dQopxi5PpL4 https://www.youtube.com/watch?v=pLYomQ63ym0</p>
	Eng Language (13-5-20)		<p><u>Fill in the blank with the correct form of the verb given in brackets.</u> Example (0) found When they got home, Jo and Meg (0)_____(find) Amy (1)_____(read).She never (2)_____(lift) her eyes from her book nor did she (3)_____(ask) a single question. But Beth (4)_____(want) every detail and her sisters were just as eager to tell her how much they had (5) _____ (enjoy) the evening. Jo (6)_____(go) up to her room and (7)_____(check) out her things. Everything (8)_____(be) in its place.</p> <p>Answers-1.reading,2.lifted,3.ask,4.wanted,5.enjoyed,6.went,7.checked,8.was</p>	
	Eng Language (14-5-20)		<p><u>Fill in the blank with the correct form of the verb given in brackets.</u> John Henry Fabre, a French biologist, once conducted an experiment with processionary caterpillars. He took a flower pot (1)_____ (contain) pine needles-the caterpillar’s favourite food. Around the rim he placed the caterpillar’s, one behind the other, until they(2)_____(form) a complete circle. The caterpillars began(3)_____(circle) around the pot’s rim, blindly following each other but going nowhere. They (4)_____(do) this for an entire week. Then, one by one they dropped off the pot, hopelessly(5)_____(exhaust). So narrow (6)_____(be) their vision that none of them(7)_____(break) the circle(8)_____(go) to the pine needles for</p>	

		nourishment. Answers- 1.containing, 2.formed, 3.circling, 4.did, 5.exhausted, 6.was, 7.broke, 8.to go.	
Eng Language (18-5-20)	Conditional Sentences (Type 1)	Complete the sentences using Type 1 form of conditional sentences. 1. If she _____(invite) me, I _____(go). 2. If it _____(rain),we _____(cancel) the match. 3. If she _____(be late),we _____(go) without her. 4. If he _____(win) the first prize, his mother _____(be) happy. 5. If you _____(not behave),I _____(throw) you out. 6. If the drought _____(continue),plants and animals _____(perish) Answers- 1.invites,will go 2. rains , will cancel 3.is late, will go 4.wins,will be 5.don't behave, will throw 6.continues,will perish.	https://www.youtube.com/watch?v=h-Np7dmvw0U
Eng Language (20-5-20)		Rewrite the sentences using 'if'. 1. I know his address, I write to him now. 2. I get a scholarship, I go abroad. 3. The Secretary cancel meeting last night, no one blame him. 4. The typist should be careful, she will lose her job. 5. You must use your time wisely, you will not be able to do much. 6. She does not have a passport, not be able to go there. Answers: 1. If I knew his address, I would write to him now. 2. If I get a scholarship , I will go abroad. 3. If the Secretary had cancelled the meeting last night, no one would have blamed him. 4. If the typist is not careful, she will lose her job. 5. If you do not use your time wisely, you will not be able to do much. 6. If she does not have a passport, she will not be able to go there.	
Eng. Lit	The Merchant of Venice, Act 1, Scene 1	The Merchant of Venice, Act 1, Scene 1 Read the extracts given below and answer the questions that follow : SALANIO Believe me, sir, had I such venture forth, The better part of my affections would Be with my hopes abroad. I should be still Plucking the grass to know where sits the wind, Peering in maps for ports and piers and roads;	https://www.youtube.com/watch?v=VwrlnPIPWsI

And every object that might make me fear
Misfortune to my ventures, out of doubt
Would make me sad.

Q1. Where are Antonio and his friends? What does Antonio say about his sadness?

Q 2. Where would Salanio's attention be if he had business ventures abroad? Why would he be 'Plucking the grass'? What else would he be doing in that context?

Q3. What reason does Salarino give as the probable cause of Antonio's melancholy?

Q4. What would make Salanio fear some danger to his ventures? Give two examples from the opening scene to show how some objects remind Salarino of the danger to the ships.

Q5. In spite of the danger to his ships, why is Antonio not worried about his financial security?

ANSWERS

Ans 1. Antonio and his friends are in the street in Venice. Antonio says that his sadness makes him depressed and dull. He further says that he is yet to learn about the origin and the nature of his sadness.

Ans2. If Salanio had business ventures abroad, his thoughts would be fixed on the dangers to his ventures and methods of securing them. He would be plucking the blades of grass and casting them in the air to know the direction of wind to see if it was blowing in a direction favourable to the course of his ships or not. Further, he would look into maps for harbours channels and open road-steads near to the shore where his ships could anchor in case of need.

Ans3. Salarino tells Antonio that he is sad because his mind is preoccupied with his ships filled with cargo, which are out at sea.

Ans4. Every thought of Salanio would make him fearful of danger to his business ventures. Two examples which reminded Salarino of the danger to his ships were:

- a) While cooling his soup by blowing on it, reminded him of the stormy winds at sea causing terrible damages to his ships.
- b) The sandy hour-glass reminded him of the richly laden vessels wrecked

on the sandy shore.
Ans5. Despite danger to his ships, Antonio is not worried about his financial security because his business is neither dependent on any one ship nor on any single location nor commercial transactions of the current year. His business is not 'one bottom trusted.'

The Merchant of Venice, Act 1, Scene 1
Read the extracts given below and answer the questions that follow :
SALARINO
My wind, cooling my broth,
Would blow me to an ague, when I thought
What harm a wind too great might do at sea.
I should not see the sandy hour-glass run
But I should think of shallows and of flats,
And see my wealthy Andrew dock'd in sand,
Vailing her high top lower than her ribs
To kiss her burial.
Q1. Where does this scene take place? Name the people were present there.
In what mood is Salarino in this scene?
Q2. What would the wind cooling the broth remind Salarino of?
Q3. What is the 'sandy hour-glass'? What would it remind Salarino of?
Q4. When Salarino would go to church what would he see? What would the scene make him imagine?
Q5. State in your own words the scene on the ocean as described by Salarino when Antonio's ships were sailing.

ANSWERS

Ans1. The scene takes place in a street in Venice. Antonio Salarino and Salanio are present in the scene. Salarino is in a talkative mood and wants to know the reason for Antonio's melancholy. He says that he too would be feeling melancholic if his ships were sailing on the sea.
Ans2. It would remind Salarino of the stormy winds at sea and of the terrible damages they might cause to the ships.
Ans3. Sandy hourglass is an apparatus used to indicate time. It would remind Salarino of the dangers from hidden banks of the sand at sea on which a ship run aground.
Ans4. When Salarino would go to the church he would see the holy building

<https://www.youtube.com/watch?v=VwrlnPIPWsI>

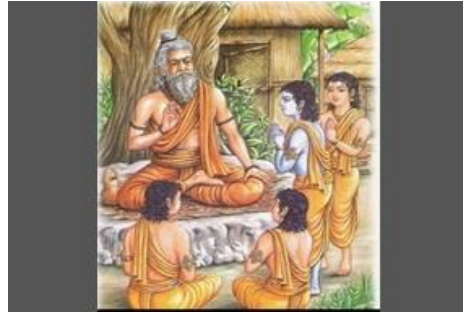
		<p>made of stone. This scene would make him think of the dangerous rocks of the sea and imagine that a collision of his ships with these rocks would be sufficient to break his vessel into pieces and scatter all her spices and silks on the sea.</p> <p>Ans5. Salarino compares Antonio's ships sailing on the waves with the great lords and wealthy citizens, who look down on lesser men as they walk along the street. He says that compared to smaller ships, Antonio's ships move swiftly on the sea with their canvas sails and look like grand spectacles or pageants of the sea.</p>	
Maths	Ch-3 : EXPANSIONS	<p><u>TOPIC – EXPANSIONS</u></p> <p>1) EXPANSION Of $(a - b)^2$ and $(a - b)^2$ Ex 3.1 [Qn. 22 to 25]</p> <p>2) EXPANSION Of $(a - b)^3$ and $(a + b^3)$ EX 3.2 [Qn.13,14,20 and 22]</p> <p>3) EXPANSIONS Of $(a + \frac{1}{a})^2$ and $(a - \frac{1}{a})^2$ Ex 3.2 [Qn. 18,28]</p> <p>4) EXPANSIONS Of $(a + b + c)^2$ Ex 3.2 [Qn. 31,32,34]</p> <p>5) Word problems of EX 3.2 [Qn. 36,37]</p>	<p>https://youtu.be/JyErQFLRBgo</p> <p>https://youtu.be/0-Bt7sKl2ew</p>
	CH-4: Factorisation	<p><u>TOPIC- FACTORISATION</u></p> <p>1) By taking out common factors . EX 4.1 [Qn. 3, 5,6 9]</p> <p>2) Factorising by grouping of terms. Ex 4.2 [Qn. 5,10,12 and 13]</p> <p>3) Factorisation based on difference of two Squares i.e. $(a^2 - b^2) = (a+b)(a-b)$. Ex 4.3 [Qn. 5,7,8,9,14 15,17,and 18.]</p> <p>4) Factorisation of Trinomials ax^2+bx+c (By splitting the middle term) Ex 4.4 [Qn. 3,8,11,14,17,18]</p> <p>5) Factorisation of sum or differences of Two cubes i.e. $(a^3 + b^3)$ and $(a^3 - b^3)$. Ex. 4.5 [Qn. 4,5,6,9 and 11]</p>	<p>https://youtu.be/_t7NU1WX6oI</p>
Physics	Ch-2: Motion in One Dimension	<p>Module1- Topic- Scalar & Vector quantities, Rest & Motion, Distance & Displacement</p> <p>Q1. Differentiate between the scalar and vector quantities, giving two example of each.</p>	<p>https://youtu.be/Xo3KBoEMDEo</p>

		<p>Q2. When a body is said to be at rest? Q3. When a body is said to be in motion? Q4. What do you mean by motion in one direction? Q5. Differentiate between distance & displacement.</p>	
		<p>Module2- Topic- Speed & Velocity, Acceleration & Retardation Q1. Define speed. What is its S.I unit? Q2. Distinguish between speed & velocity. Q3. Define acceleration. State its S.I unit. Q4. Give one example of each type of following motion: (a) uniform velocity (b) variable velocity (c) variable acceleration (d) uniform retardation. Q5. Define the term acceleration due to gravity. State its average value.</p>	https://youtu.be/Sz-1Hg8_1-0
		<p>Module3 Topic- Numericals EX- 2(A) – 1,5,9,12,15.</p>	
Chemistry	Chemical Changes and reactions	<p>I. Fill in the blanks: 1. When two elements combine to form a compound is called _____. 2. Magnesium ribbon burns in flame with a _____, forming magnesium oxide. 3. A reaction in which two or more substances combine to form a single substance is called _____ reaction. 4. A decomposition reaction brought about by heat is called _____. 5. Digestion of food in our body is an example of _____ reaction.. 6. When lead nitrate is heated it first _____, and on further heating, gives _____ gas which is _____ in colour and oxygen gas. 7. A reaction in which a more active element displaces the less active from its solution is known as _____ reaction. 8. A reaction in which an acid and a base react to form salt and water is known as _____. 9. A catalyst either _____ or _____ the rate of a chemical change but itself remains _____ at the end of the reaction.</p>	<p>https://www.youtube.com/watch?v=w2vrpFP8MuE https://www.youtube.com/watch?v=vNWyWsXEetA https://www.youtube.com/watch?v=NeZOnOkAH0I https://www.youtube.com/watch?v=eJXL0IrbtqE</p>

			<p>II. Identify the compound :</p> <ol style="list-style-type: none"> 1. Yellow residue left when lead nitrate is heated. 2. Yellow when hot ,but turns white on cooling. 3. Green solid left on heating ammonium dichromate. <p>III. State your observation when:</p> <ol style="list-style-type: none"> 1. A small piece of magnesium ribbon is drop in a test tube containing dilute sulphuric acid . 2. Chlorine gas is passed through a solution of potassium iodide. 3. In a solution of copper sulphate a piece of zinc is added. 4. Solid ammonium chloride is heated. 5. Hydrated copper sulphate is heated. 6. Ammonium dichromate is heated. 7. Lead nitrate is heated . 8. Zinc carbonate is heated. <p>IV. State the types of reactions:</p> <ol style="list-style-type: none"> 1. $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$ 2. $2\text{AgNO}_3 \rightarrow 2\text{Ag} + 2\text{NO}_2 + \text{O}_2$ 3. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$ 4. $\text{CuSO}_4 + \text{H}_2\text{S} \rightarrow \text{CuS} + \text{H}_2\text{SO}_4$ 5. $\text{Na}_2\text{SO}_4 + \text{Pb}(\text{NO}_3)_2 \rightarrow 2\text{NaNO}_3 + \text{PbSO}_4$ <p>Ex 2(B) Q.No. 10 Ex2(C) Q No. 2,3, 6 and 10.</p>	
Biology	Pollination and Fertilization		<p>1. Explain the following terms:</p> <p>i) Ornithophily ii) Dichogamy iii) Elephophily iv) Double fertilization</p> <p>2. Give one word/term :</p> <p>i) Maturation of anthers earlier than the stigma . ii) Pollination by wind iii) Protective coverings of the ovule iv) Arrangements of flowers on a twig or stem Pollination by insects</p>	<p>https://youtu.be/rAGQpO-6pm4</p> <p>https://youtu.be/ngRxxYmeQEQ</p>

		<p>3. What are the advantages of the following in the flower to the plant concerned?</p> <p>i) Long and feathery stigma ii) Sticky or spiny pollen grains iii) Large and brightly coloured petals</p> <p>4. Write two advantages and two disadvantages of cross pollination to the plants.</p> <p>Module II</p> <p>1. Define the following:</p> <p>i) Cross pollination ii) Fertilization</p> <p>2. Differentiate between the following:</p> <p>i) Herkogamy and Heterostyly ii) Unisexuality and Self sterility iii) Wind pollinated and Insect pollinated flowers</p> <p>3. What is the function of the pollen tube? Explain it with the help of a diagram.</p>	
History and Civics	The Vedic Period (History)	<p>I. <u>Answer the following questions briefly. (Short answer questions)</u></p> <p>1. How can you say that the Rig Vedic age was the Non-Iron using phase of Vedic history?</p> <p>2. State the difference in position of women between the Early Vedic and Later Vedic Age.</p> <p>3. What are known as the Varnashramas? Name them.</p> <p>4. Name any two early Aryan settlements.</p> <p>5. Name the two Epics and their authors.</p> <p>II. <u>Elaborate your answer.(Long answer type questions)</u></p> <p>1. With reference to the sources of information about the Vedic Age ,write short notes on the following:</p> <p>(a) The Vedas (b) The Epics (c) Role of Iron Implements</p>	<p>https://www.youtube.com/watch?v=3Xm9Idg22Rw</p> <p>https://www.youtube.com/watch?v=-LYioyRKZT0</p>

2. With reference to the picture given, answer the following questions:



(a) Identify this ancient education system. Persons belonging to which ashrama of life attended this?

(b) Describe briefly the life in this ancient education institution.

(c) What do you think are the advantages and disadvantages of studying in this educational setup?

NOTE : Read the chapter thoroughly before answering the questions and try to write your answers in points.

Geography

Earth As A Planet

ANSWER THE FOLLOWING QUESTIONS:-

Q1. Give three ways by which the atmosphere protect the earth from harmful conditions.

Q2. Give three evidences to prove that the earth is a spherical heavenly body.

Q3. How did bed ford level canal experiment prove that the earth is a sphere?

II. DEFINE:-

A) Ecosystem b) Geoid

III. GIVE REASONS;-

A) Moon experiences a large range of temperature.

B) The earth is also called a watery planet.

C) The time of sunrise and sunset is not the same everywhere.

<https://youtu.be/BTqRrpTOLp0>

	Latitude And Longitude	<p>Q1. How can the geographic grid help to locate a place?</p> <p>Q2. Name five important parallels of latitude.</p> <p>Q3. Why the line of longitude is also called meridians of longitude?</p> <p>Q4. Why do different countries follow standard TIME?</p> <p>Q5. DIFFERENTIATE BETWEEN THE FOLLOWING;-</p> <p>a)great circle and small circle</p> <p>b)equator and prime meridian</p> <p>Q6. GIVE REASONS;-</p> <p>a) All the latitudes except the equator are small circle.</p> <p>b) Navigators and aviators follow the great circle route.</p>	https://youtu.be/2PllX2YOAHo
	Motions Of The Earth	<p>Q1.DEFINE:-</p> <p>A) Orbit B) Axis C) Circle of illumination D) Equinox.</p> <p>Q2.DIFFERENTIATE BETWEEN:-</p> <p>a) Perihelion and Aphelion</p> <p>b) Rotation and Revolution.</p> <p>Q3. Give any four effects of west to east rotation of the earth.</p> <p>Q4. What do you mean by the term apparent migration of the sun?</p> <p>Q5. Explain summer solstice with the help of neat labelled diagram.</p> <p>Q6. Why are days and nights equal on 21st of march and 23rd of September all over the world?</p>	https://youtu.be/SOX0xm0sgrM https://youtu.be/tYiL82i635s
Commercial Studies	Chap- 7 Joint Stock Company	<p>I. Answer the following questions in brief:</p> <p>Q1. Define Joint Stock Company.</p> <p>Q2. What do you mean by perpetual succession?</p> <p>Q3. Give two examples of Registered company.</p> <p>Q4.What is common seal?</p> <p>Q5. What is OPC?</p> <p>II. Answer in detail:</p> <p>Q1. State five characteristics of Joint Stock Company.</p> <p>Q2. What is Statutory company?</p> <p>Q3. State five point of difference between Joint stock company and Partnership.</p> <p>Q4. How are Chartered companies formed?</p> <p>Q5. State two point of difference between private and public company.</p>	https://youtu.be/yk1EIGh https://youtu.be/jXpb-19 https://youtu.be/eX7o6Ng

	Economic Application	Chap-4 Basic Problems of an economy	I. Answer the following questions in brief: Q1. What is economic problem? Q2. Why does economic problem arise? Q3. What do you mean by economizing of resources? Q4. Explain the problem " how to produce" . Q5. Define economic development. II. Answer the following in detail: Q1. Explain the central problems of an economy. Q2. Distinguish between economic growth and economic development.	https://youtu.be/faeDxkZS6PY https://youtu.be/eVRQxEFJuV0
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Rakshmi

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