

KERALA PUBLIC SCHOOLS

HOME ASSIGNMENT (16.04.21 – 30.04.2021)



CLASS	SUBJECT	TOPIC / CHAPTER	MODULE / ASSIGNMENT	REFERENCE LINKS
IX	Eng Language	Notice	Q. The Literary Association of your school is organizing a Poetry Recitation Competition. Write a notice to be put up in your school, inviting students of Classes VIII to X to register their names for the competition to be held on the occasion of Children's Day in your school.	https://www.youtube.com/watch?v=SkcOVvU89k4
		E-Mail	Q. Write an email to the Principal of a neighbouring school requesting him/her to send two senior teachers of his/her school to judge the Poetry Recitation Competition.	https://www.youtube.com/watch?v=FlqGTntk8-k
		Letter	Q. Write a letter to the Municipal Commissioner of our area complaining about the dumping of refuse on a road close to your	https://www.youtube.com/watch?v=zIceVyqadTA
		Articles	Fill in the blanks given below using a, an, the. Put 'X' where none is required. Tortoise is (a) _____ common name for members of (b) _____ family of turtles that live entirely on land. Tortoises are slow –moving animals known for their long life spans, which in some instances may exceed 150 years. Tortoises inhabit all of (c) _____ world's landmasses except for Australia and Antarctica, (d) _____ greatest number of tortoises are found in (e) _____ tropical regions of Africa, South America and Asia. Most tortoises live in dry environments, such as deserts and savannahs, although some species prefer moist habitats, such as (f) _____ rainforests and woodlands. Tortoises protected by heavy shells composed of (g) _____ inner, bony layer and (h) _____ outer layer made of horny plates.	https://www.youtube.com/watch?v=q2197KT1iNE
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=VwrlnPIPWsl	

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 roadsteads 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 made of stone.

		<p>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>	
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>Q2. When a body is said to be at rest?</p> <p>Q3. When a body is said to be in motion?</p> <p>Q4. What do you mean by motion in one direction?</p> <p>Q5. Differentiate between distance & displacement.</p>	https://youtu.be/Xo3KBoEMDEo
		<p>Module2- Topic- Speed & Velocity, Acceleration & Retardation</p> <p>Q1. Define speed. What is its S.I unit?</p> <p>Q2. Distinguish between speed & velocity.</p> <p>Q3. Define acceleration. State its S.I unit.</p> <p>Q4. Give one example of each type of following motion: (a) uniform velocity (b) variable velocity (c) variable acceleration (d) uniform retardation.</p> <p>Q5. Define the term acceleration due to gravity. State its average value.</p>	
		<p>Module3 Topic- Numericals</p> <p>EX- 2(A) – 1,5,9,12,15.</p>	
Chemistry	Language of Chemistry	<p>Q.3) Find the percentage mass of water in Epsom Salt $MgSO_4 \cdot 7H_2O$. (Given that the relative atomic masses of Mg=24, S=32, O=16 and H=1)</p> <p>Q4) Give the empirical formula of (i) $C_6H_{12}O_6$ And (ii) C_6H_6</p> <p>Q5) What is the valency of</p> <ol style="list-style-type: none"> i. Fluorine in CaF_2 ii. Sulphur in SF_6 	

		<p>Q6) Calculate the relative molecular masses of the following compounds :</p> <p>(a) Cane sugar, $C_{12}H_{22}O_{11}$</p> <p>(b) Ammonium sulphate . $(NH_4)_2SO_4$</p> <p>(c) Copper sulphate crystals, $CuSO_4.5H_2O$</p> <p>(Given that the relative atomic masses of C=12, H=1, O=16, N=14, S=32, Cu=63.5)</p>	
Biology	Pollination and Fertilization	<p>1. Explain the following terms:</p> <p>i) Ornithophily ii) Dichogamy iii) Elephophily iv) Double fertilization</p>	https://youtu.be/rAGQpO-6pm4
		<p>2. Give one word/term :</p> <p>i) Maturation of anthers earlier than the stigma .</p> <p>ii) Pollination by wind</p> <p>iii) Protective coverings of the ovule</p> <p>iv) Arrangements of flowers on a twig or stem Pollination by insects</p> <p>3. What are the advantages of the following in the flower to the plant concerned?</p> <p>i) Long and feathery stigma</p> <p>ii) Sticky or spiny pollen grains</p> <p>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</p> <p>ii) Unisexuality and Self sterility</p> <p>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>	https://youtu.be/ngRxkYmeQEQ

<p>History and Civics</p>	<p>The Harappan Civilisation</p>	<p><u>Elaborate your answer.(Long answer type questions)</u></p> <p>1.With references to the sources of information about the Harrapan Civilisation, describe the significance of the following:</p> <p>(a)The Great Bath (b)Seals (c)Script</p>	<p>https://www.youtube.com/watch?v=J5MsS4lYgiY</p>
		<p>2.Study the picture of the seal and answer the questions that follow.</p>  <p>(a)Identify the seal given in the picture. Why were seals used? (b)Of what material were these seals made of? (c)What do the seals reveal about Harappans?</p> <p>NOTE :Read the chapter thoroughly before answering the questions and try to write your answers in points.</p>	
<p>Geography</p>	<p>Earth As A Planet</p>	<p>ANSWER THE FOLLOWING QUESTIONS:-</p> <p>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?</p> <p>II. DEFINE:- a) Ecosystem b) Geoid</p>	<p>https://youtu.be/BTqRrpTOLp0</p>

		<p>III. GIVE REASONS;-</p> <p>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.</p>	
	Latitude And Longitude	<p>Q1. How can the geographic grid help to locate a place? Q2. Name five important parallels of latitude. Q3. Why the line of longitude is also called meridians of longitude? Q4. Why do different countries follow standard TIME? Q5. DIFFERENTIATE BETWEEN THE FOLLOWING;- a) great circle and small circle b) equator and prime meridian Q6. GIVE REASONS;- a) All the latitudes except the equator are small circle. b) Navigators and aviators follow the great circle route.</p>	https://youtu.be/2PIIX2YOAHo
	Motions Of The Earth	<p>Q1.DEFINE:- A) Orbit B) Axis C) Circle of illumination D) Equinox.</p> <p>Q2.DIFFERENTIATE BETWEEN:- a) Perihelion and Aphelion b) Rotation and Revolution. Q3. Give any four effects of west to east rotation of the earth. Q4. What do you mean by the term apparent migration of the sun? Q5. Explain summer solstice with the help of neat labelled diagram. Q6. Why are days and nights equal on 21st of march and 23rd of September all over the world?</p>	<p>https://youtu.be/SOX0xm0sgrM</p> <p>https://youtu.be/tYiL82i635s</p>
Commercial Studies	Ch - 4 :Classification of Commercial Organisations	<p>Module 01 : Classification of Commercial organisations. Commercial Organisations on the basis of Ownership.</p> <p>Short Answer Questions.</p> <p>What is Sole Proprietorship ? Define one person company ? What is limited liability partnership ? Define joint stock company ? What is a Cooperative Society ? What is meant by Government Company ? Define public corporation ?</p>	<p>LINK :https://youtu.be/9D9Ioe1kUXY</p>

		<p>Long Answer Questions.</p> <p>Give the main feature of sole proprietorship ? State the features of one person company ?</p> <p>Describe the main features of Limited Liability Partnership?</p> <p>Discuss the features of a cooperative society?</p> <p>Describe the main features of departmental undertaking ?</p>	
Economic Application	Chap-4 Basic Problems of an economy	<p>I. Answer the following questions in brief:</p> <p>Q1. What is economic problem?</p> <p>Q2. Why does economic problem arise?</p> <p>Q3. What do you mean by economizing of resources?</p> <p>Q4. Explain the problem "how to produce" .</p> <p>Q5. Define economic development.</p> <p>II. Answer the following in detail:</p> <p>Q1. Explain the central problems of an economy.</p> <p>Q2. Distinguish between economic growth and economic development.</p>	<p>https://youtu.be/faeDxkZS6PY</p> <p>https://youtu.be/eVRQxEFJuV0</p>
Computer	Introduction to JAVA	<ol style="list-style-type: none"> 1. Why is Java often termed as a platform? 2. What is a bytecode? 3. What do you understand by JVM? 4. What is JDK (Java Development Kit)? 5. What are Java APIs? 6. Write the five characteristics of Java/BlueJ? 7. What do you know about BlueJ? 8. The two types of Java applications are there? 9. State the differences between Syntax errors and Run time errors. 10. "Object is an instance of a class", explain 11. Differentiate between Compiler and Interpreter. 12. Java uses compiler as well as interpreter, explain. 13. Differentiate between Source code and Byte code. 14. Differentiate between Testing and Debugging. 15. What is an Object? 16. What is a statement in Java? 17. Explain what you understand by the Java program cycle. 18. Explain the need for a Java compiler. 19. Explain the need for the Java interpreter. 20. What is Write Once Run Anywhere (WORA) characteristic of JAVA. 	

		<p>21. What are the full forms of the following acronyms? a. JVM, JRE, WORA, API</p> <p>22. What is the extension used for Java program files?</p> <p>23. What is the extension of the class file created when you compile a Java program</p> <p>24. Explain the difference between the System.out.print() and System.out.println() methods.</p>	
MATHS	Ch- 2 Compound Interest. Topic: To Find Amount and compound interest.	Ex 2.1 – Q. No. 1,3, 5, 7, 8, 10, 12,14,16,17.	
	Ch- 1 Compound Interest. Topic: To Find Amount and CI by formula method.	Ex 2.2 – Q No. 1, 4, 6, 9, 10, 12, 15, 17, 19, 22, 25.	
	Ch – 2 Compound Interest Topic: Growth and Depreciation	Ex 2.3 – Q No. 1, 3, 4,6,7, 9, 11, 12,13,14.	

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DIRECTOR ACADEMICS