

KERALA PUBLIC SCHOOLS
HOME ASSIGNMENT (22nd To 30th June 2020)



CLASS	SUBJECT	TOPIC / CHAPTER	MODULE / ASSIGNMENT	REFERENCE LINKS
IX	ENGLISH LANG	Total Eng Book IX Argumentative Composition 22.06.2020	The computer will soon replace the book. Express your views either for or against this statement.	https://blog.prepscholar.com/argumentative-essay-examples
		Total English Book IX Ch: Active and Passive Voice 24.06.2020	Rewrite the following sentences according to the instructions given after each: 1. Three men are loading the cart. Begin: The cart..... 2. He will be elected Secretary by the group. Begin: The group..... 3. There is a reason to believe that they have saved the crew. Begin: It is..... 4. No one ought ever to make so false an assumption. End: ought never to be made. 5. We must listen to his music. Begin: His music 6. Why did he deprive you of your property? Begin: Why were you..... 7. He was known to be a kind man. End: him to be a kind man. 8. Susan hid her grandmother's spectacles. Begin: Her grandmother's 9. Too much is being taken for granted. Begin: They are..... 10. Why did Arun deprive you of your no more? Begin: Why were you.....	https://learnenglish.britishcouncil.org/english-grammar-reference/active-and-passive-voice

	<p>Total Eng Book IX Ch: Active and passive voice 25.06.2020</p>	<p>Join the following sentences without using and , but or so:</p> <ol style="list-style-type: none"> 1. The teacher arrived. The class started. 2. The drive was so tedious. I fell asleep on the backseat. 3. He is unwell. He cannot attend the meeting. 4. He was punished. He was found guilty. 5. I shall pardon you. Confess your guilt. 6. John gave me the novel. John wanted to review it. 7. Debjani received my note. She sent her reply within a week. 8. Jennifer saw that I was confused. She came to my rescue. 9. Lila is very intelligent. Anita is less intelligent. 10. You must practise more. You will not qualify for selection of the team. 	<p>https://webapps.towson.edu/ows/activepass.htm</p>
<p>ENGLISH LIT</p>	<p>Merchant of Venice: Act 1 Scene 3: 23.06.2020</p>	<p>Read the following extracts and answer the questions that follows: Mark you this Bassanio,</p> <hr style="width: 20%; margin-left: 0;"/> <p>Oh, what a goodly outside falsehood hath!</p> <p>(i) Who is the speaker of these lines and what is he talking about? (ii) How does Antonio describe a wicked person like Shylock? Do you agree with his view? (iii) What prompts Antonio to give his views on Shylock’s character to Bassanio? (iv) How has Antonio insulted Shylock in the past? (v) Throughout the course of conversation between Antonio and Shylock, Shylock maintains a calm demeanour even though Antonio insults him. What can be the probable reason for such behaviour of Shylock? Is he successful in his motives?</p>	<p>https://www.stagemilk.com/shylock-monologue-act-1-scene-3-2/</p>
	<p>Merchant of Venice: Act 1 Scene 3: 26.06.2020</p>	<p>Read the following extracts and answer the questions that follows: Shylock: [aside] How like a fawning publican he looks! Which he calls interest: cursed by my tribe, If I forgive him!</p> <p>(i) Who is seen coming when Bassanio and Shylock are talking? Whom are the above lines addressed to? (ii) Why does Shylock hate Antonio? (iii) Explain ‘like a fawning publican’? (iv) Do you think Antonio was overconfident? Answer in reference to the scene?</p>	<p>https://www.thoughtco.com/the-merchant-of-venice-act-1-scene-3-summary-2984740</p>

	<p>Merchant of Venice: Act 1 Scene 3: 27.06.2020</p>	<p>Read the following extracts and answer the questions that follows: Shylock: This Kindness will I show. Bassanio: You shall not seal to such a bond for me! I'll rather dwell in my necessity. (i)What is the act of 'kindness' referred to in the given lines? (ii) In what bond does Shylock bind Antonio? (iii) What do you think of Antonio's readiness to sign the bond? How does Bassanio react to the bond? (iv) Why does Bassanio need the money?</p>	
<p>MATHS</p>	<p>Ch-10 Triangle</p>	<p>Revise from class VIII 1) Different types of triangle 2) Angles sum property of a triangle and exterior angle property 3) Congruence of triangle</p> <p><u>Exercise 10.1</u> Q.No. 3 to Q.No. 8.</p> <p><u>Exercise 10.2</u> Q.No. 1 to Q.No. 11</p> <p><u>Exercise 10.3</u> Q.No. 1 to Q.No. 12</p> <p><u>Exercise 10.4</u> Q.No. 1 to Q.No. 8</p> <p><u>Instructions:</u></p> <ul style="list-style-type: none"> • Draw neat diagram for each question using pencil and scale • Clearly mention (for theoretical questions) <ol style="list-style-type: none"> 1) Given condition and what to prove 2) Write reason for each step in brackets <p>Watch all modules and Links to answer different types of questions</p>	<p>Exercise 10.1: https://youtu.be/HFllJbXIjls</p> <p>Exercise 10.2: https://youtu.be/g_bgC42r4ws</p> <p>Exercise 10.3: https://youtu.be/OuWwchcxM3o</p>

CHEM

**Atomic
Structure and
Chemical
Bonding**

Assignment 5

1. State Dalton's atomic theory?
2. What is an alpha particle?
3. What are cathode rays? How are these rays formed?
4. How X-rays are produce?
5. How do cathode rays differ from anode rays?
6. Which part of atom was discovered by Rutherford?
7. How was it shown that atom has empty space?
8. Name the three fundamental particles of an atom?
9. Give the symbol and charge of the each particles
10. Explain the rule according to which electro are filled in various level?
11. Complete the table given below by identifying P, Q and R

Element	Symbol	No of Protons	No of Neutrons	No of Electro
Sodium	${}_{23}^{11}\text{Na}$	11	P	11
Chlorine	${}_{35}^{17}\text{Cl}$	Q	18	17
Uranium	R	92	146	92
S	${}_{19}^9\text{Na}$	9	10	9

12. Draw the orbital diagram Ca^{+2} ion and state the number of three fundamental

13. ${}_{24}^{12}\text{Mg}$ and ${}_{26}^{12}\text{Mg}$ are symbols of two isotopes of magnesium

(a) Compare the atoms of these isotopes with respect to :

(i) the composition of their nuclei.

(ii) their electronic configurations.

(b) Give reasons why the two isotopes of magnesium have different mass numbers.

particles present in it?

14. Sulphur has an atomic number 15 And mass number of 32.

State the number of protons and neutron in the nucleus of sulphur. Give a simple diagram to show the arrangement of electrons in an atom of sulphur.

15. What is meant by “atomic number of an element”?

b) Complete the table given below:

	No of protons	No of electrons	No of neutrons	Atomic number	Mass number
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Write down the electronic configuration of i) Chlorine atom

ii) Chloride ion

16. Name the following :

(a) The element which does not contain any neutron in its nucleus.

(b) An element having valency `zero`.

(c) Metal with valency

(d) Two atoms having the same number of protons and electrons but different number of neutrons.

(e) The shell closest to the nucleus of an atom.

17. Complete the following table relating to the atomic structure of some elements.

Element Symbol	Atomic Number	Mass Number	Number of neutrons	Number of electrons	Number of protons
Li	3	6			
Cl	17		20		
Na			12		11
Al		27			13
S		32	16		

			<p>18. Mention the basic tendency of an atom which makes it to combine with other atoms.</p> <p>19. What type of compounds are usually formed between metals and non-metals and why?</p> <p>20. Compare : (a) Sodium atom and sodium ion (b) Chlorine atom and chloride ion, with respect to (i) Atomic structure, (ii) electrical state</p>	
		<p>Assignment 6</p>	<p>1. How do atoms attain noble gas configuration? 2. Define electrovalent bond. 3. Elements are classified as metals, non-metals, metalloids and inert gases. Which of them form Electrovalent bond? 4. What type of compounds are usually formed between metals and non-metals and why? (a) In the formation of the compound XY_2, an atom X gives one electron to each Y atom. What is the nature of bond in XY_2? (b) Draw the orbit structure of this compound (XY_2). a) Nature of bond in XY_2 is an ionic bond. b) Orbit structure of XY_2</p> <p>5. What are nucleons? How many nucleons are present in phosphorus? Draw its structure? 6. What are isotopes? With reference to which fundamental particle do isotopes differ? Give two uses of isotopes. 7. Name the following : (a) The element which does not contain any neutron in its nucleus. (b) An element having valency 'zero'. (c) Metal with valency (d) Two atoms having the same number of protons and electrons but different number of neutrons. (e) The shell closest to the nucleus of an atom.</p>	

- 8.** Give Reason:
- (a) Physical properties of isotopes are different
 - (b) Argon does not react.
 - (c) Actual atomic mass is greater than mass number.
 - (d) $^{17}_{35}\text{Cl}$ and $^{17}_{37}\text{Cl}$ and do not differ in their chemical reactions.
- 9.** Why do $^{17}_{35}\text{Cl}$ and $^{17}_{37}\text{Cl}$ have the same chemical properties? In what respect do these atoms differ?
- 10.** An element A atomic number 7 mass number 14
- B electronic configuration 2, 8, 8
 - C electrons 13, neutrons 14
 - D Protons 18 neutrons
 - E electronic configuration 2, 8, 8, 1
- State (i) valency of each element (ii) which one is a metal (iii) which is a non-metal (iv)
- 11.** Explain: (a) octet rule for formation of a chemical compound. (b) Duplet rule for formation of hydrogen.
- 12.** Draw orbit structure diagram of Sodium chloride (NaCl) b) Calcium Oxide (CaO)
[Atomic numbers Na= 11, Ca=20, Cl= 17, O=8]
- 13.** An atom X has electronic configuration 2,8,7. It combines with Y having 1 electron in its outermost shell.
- (a) What type of bond will be formed between X and Y?
 - (b) Write the formula of the compound formed.
- 14.** Show number of bonds in
- (i) Ethane molecule (ii) ethyne molecule
- 15.** Taking MgCl, as an example of electrovalent bond, CCl₄ as a covalent bond. Give a difference between electrovalent and covalent bonds.

HIST	Ch - 4 : India in the 6th Century BC.. Rise of Jainism And Buddhism	*The assignments given below have to be done in the history notebook	
	22.6.2020 Vardhaman Mahavira	Pg B-45 – Short Questions (1-8) to be done in the notebook Structured Questions 1 Page no B-46 to be marked in the text book	
	26.6.2020 Buddhism	Pg B- 45 Short Questions(9-21) to be done in the notebook. Structured Questions (2and5) to be marked in the text book . Page no B 46	
	30.6.2020 Vardhamana Mahavira / Gautam Buddha	Structured Questions (3and4) to be done in the notebook . Page no B 46	
GEOG	VOLCANOES	*The assignments given below have to be done in the Geography Notebook. <u>Answer the following questions:</u>	https://youtu.be/CxIkrBRp9zw
	23.06.2020 (MODULE 1)	Q1. What is a volcano? Q2. Name three types of volcanoes on the basis of their frequency of eruption. Give one example of each type. Q3. Name the two major volcanic belts where largest number of volcanoes are located. Q4. Name at least two famous volcanoes located in each of the belts named by you.	
	25.06.2020 (MODULE 2)	Q5. Mention the products of a volcanic eruption. Q6. Give two constructive effects of volcanoes. Q7. Give reasons: a) Volcanoes are common in the belt of young fold mountains. b) Circum Pacific belt is also known as “ Ring of Fire”. c) Dormant volcanoes are called as “sleepiong volcanoes”.	https://youtu.be/yRH1PAJGlvo

	27.06.2020 (MODULE 3)	Q8. Define: a) Dormant volcano b) Extinct volcano Q9. Distinguish between: a) An active volcano and a dormant volcano b) Magma and lava	https://youtu.be/WprvaCXnGjs
	30.06.2020 (MODULE 4)	Q10. Explain the origin of volcano. Q11. Give four destructive and four constructive effects of volcanoes. Q12. Draw a neat and labelled diagram of an active volcano showing various parts of it.	https://youtu.be/4b9_zCim3PM
COMM ST	Ch-19 Meaning, objectives and terminology of Accounting	Answer the following short questions: 1. What is accounting? 2. Define the following terms- *capital *sales *expense *stocks *revenue *drawings 3. Differentiate between- * assets and liability * debtors and creditors * debit and credit Essay type questions: 1. What are the objectives of accounting? 2. Differentiate between accounting and book keeping. 3. Write a short note on- a. purchase b. discount 4. Explain the accounting cycle.	
	Ch-20 Basic accounting principles and concepts	Answer the following short questions: 1. Explain in brief the following- *Business entity concept *Money measurement concept Essay type questions: 1. Explain any three accounting principles.	
	Ch-21 Accounting	Answer the following short questions: 1. Define journal and ledger	

	books and statements	<p>2. Write the rules of debit and credit. 3. What are the uses of journal? 4. Name the different types of accounts.</p> <p>Essay type questions:</p> <p>1. Differentiate between journal and ledger. 2. What are the limitations of a journal?</p> <p>3. Pass the journal entries-</p> <table data-bbox="645 375 1355 774"> <tr><td>Jan 1 Commenced business with cash</td><td>50,000</td></tr> <tr><td>Jan 2 Deposited in the State Bank of India</td><td>25,000</td></tr> <tr><td>Jan 3 Purchased goods for cash</td><td>10,000</td></tr> <tr><td>Jan 4 Purchased goods for credit from Ram</td><td>20,000</td></tr> <tr><td>Jan 15 Sold goods for cash</td><td>30,000</td></tr> <tr><td>Jan 16 Sold goods on credit to Shayam</td><td>10,000</td></tr> <tr><td>Jan 17 Paid rent</td><td>1,500</td></tr> <tr><td>Jan 20 Paid salary to clerk</td><td>2,000</td></tr> <tr><td>Jan 21 Received interest</td><td>500</td></tr> <tr><td>Jan 24 Paid to Ram</td><td>20,000</td></tr> <tr><td>Jan 31 Purchased furniture for cash</td><td>4,000</td></tr> </table> <p>4. Make any three necessary ledgers from the journal entries made in Q3.</p>	Jan 1 Commenced business with cash	50,000	Jan 2 Deposited in the State Bank of India	25,000	Jan 3 Purchased goods for cash	10,000	Jan 4 Purchased goods for credit from Ram	20,000	Jan 15 Sold goods for cash	30,000	Jan 16 Sold goods on credit to Shayam	10,000	Jan 17 Paid rent	1,500	Jan 20 Paid salary to clerk	2,000	Jan 21 Received interest	500	Jan 24 Paid to Ram	20,000	Jan 31 Purchased furniture for cash	4,000	
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FD		<p>Q.1.What is a Sewing Machine? Write 10 steps to take care of a sewing machine. Q.2.Mention 10 tools and equipment used for Garment Construction and explain its uses. Q.3.Define 10 different parts of sewing machine and explain its uses.</p>																							

Rakshmi

DIRECTOR ACADEMICS