

KERALA PUBLIC SCHOOLS

ACADEMIC YEAR 2021-22

HOME ASSIGNMENT (05<sup>th</sup> to 17<sup>th</sup> July 2021)




Class	Subject	Chapter	Topic	Web link
IX	ENGLISH LANG	Total Eng Book IX Transformation of Sentences 05.07.2021	<p><b>Rewrite the following sentences according to the instructions given below:</b></p> <ol style="list-style-type: none"> <li>Although he had several bags, he bought another one. Begin: Despite.....</li> <li>As soon as the maid entered the house, the dog started barking. Begin: No sooner.....</li> <li>The lawyer is required to be present there. Use: Presence</li> <li>She has not seen a movie since December. Begin: She last .....</li> <li>No other college in India is as famous as St. Xavier's College. Begin: St. Xavier's College .....</li> <li>The bride is beautiful as well as accomplished. Begin: Not only .....</li> <li>The Indian soldiers put up a brave fight. End: ..... bravely</li> <li>The Tsunami caused extensive damage to the docks. Use: damaged</li> <li>We could no longer tolerate his arrogance. End: ..... tolerated</li> <li>It is a matter of great sorrow that she lost her life. Use: sad</li> </ol>	<a href="https://www.englishgrammarr.org/transformation-sentences/">https://www.englishgrammarr.org/transformation-sentences/</a>
		Total English Book IX Letter writing: 07.07.2021	Write a letter to the editor of your newspaper about the importance of planting trees, and how citizens can play an important role in keeping the city green.	<a href="https://www.cisce.org/pdf/I/CSE-Class-X-Specimen-Question-Papers-2019/Specimen%20for%20letter%20writing.pdf">https://www.cisce.org/pdf/I/CSE-Class-X-Specimen-Question-Papers-2019/Specimen%20for%20letter%20writing.pdf</a>
		Notice & E-mail writing 12.7.21	(i) You are the Head Boy/ Head Girl of your school. Draft a notice to be displayed on the school notice board, asking students of Classes IX and X to submit their names for a ' Day's Adventure Camp' being organized by your school at ' Camp Rockfield' in Gurugram, 20kms from Delhi. Give all the necessary details.	<a href="https://www.cisce.org/pdf/I/CSE-Class-X-Specimen-Question-Papers-2019/Specimen%20for%20eMail%20and%20Notice%20">https://www.cisce.org/pdf/I/CSE-Class-X-Specimen-Question-Papers-2019/Specimen%20for%20eMail%20and%20Notice%20</a>

			(ii) On behalf of the Administrative Officer of New Edge Public School, write an email to the Director of ‘ Camp Rockfield’ Gurugram , confirming the booking for 150 students of the school for a Day’s Adventure Camp on November 17.	<a href="#">Writing.pdf</a>
		<b>Do as Directed 14.7.21</b>	<p><b>Fill in the blanks with appropriate words:</b></p> <ol style="list-style-type: none"> <li>1. The poor child is blind _____ one eye.</li> <li>2. Mohini reluctantly parted _____ her parents in order to take up a new job.</li> <li>3. We must learn to share our things _____ others.</li> <li>4. Reema hardly glanced _____ through the letter before signing it.</li> <li>5. I was walking _____ Chowringhee when I saw him.</li> <li>6. There were not many passengers _____ such an early hour.</li> <li>7. The baby was saved from the fire _____ his loving nany.</li> <li>8. The hospital is short _____ staff.</li> <li>9. The doctor agreed _____ reduce his charges.</li> <li>10. I was worried _____ you as you did not call.</li> </ol>	<a href="https://www.google.com/search?q=preposition+rules+for+class+9+icse&amp;oq=preposition&amp;aqs=chrome..69i57j35j39l2j0l4.5140j1j7&amp;sourceid=chrome&amp;ie=UTF-8">https://www.google.com/search?q=preposition+rules+for+class+9+icse&amp;oq=preposition&amp;aqs=chrome..69i57j35j39l2j0l4.5140j1j7&amp;sourceid=chrome&amp;ie=UTF-8</a>
		<b>Do as Directed 16.7.21</b>	<p><b>Fill in the blanks with the appropriate form of words given in brackets. Do not copy the passage:</b></p> <p>1. Anselmo _____ (point) with one finger. In the sentry box that _____ i _____ (face) toward them up the road, the sentry _____ ii _____ (sit) holding his rifle, the bayonet fixed between his knees. He was smoking a cigarette and he _____ iii _____ (wear) a knitted cap and blanket style cape. At fifty yards you _____ iv _____ (not see) anything about his face. Robert Jordan put up his field glasses, _____ v _____ (shade) the lenses carefully even though there was now no sun to make glint, and there was the rai bridge, as clear as though you could reach out and _____ vi _____ (touch) it and there was the face of the sentry, so clear that he could see the ash on the cigarette. It was a peasant’s face, the beard stubbled, the eyes _____ vii _____ (shade) by heavy brows, big hands holding the rifle, heavy boots _____ viii _____ (show) beneath the blanket cape.</p>	<a href="https://www.bankexamstoday.com/2016/09/rules-of-tenses-in-english-language.html">https://www.bankexamstoday.com/2016/09/rules-of-tenses-in-english-language.html</a>

<p><b>English Literature</b></p>	<p><b>6.07.2021</b> <b>Merchant of Venice:</b> <b>Act 2, Scene-1</b></p>	<p>Read the following extracts and answer the questions that follow: <b>Extract</b></p> <p>Mislike me not for my complexion ..... Bars me the right of voluntary choosing.</p> <p>1. Where is this scene set? Account for Morocco’s presence in this place. 2. What can you assess of Morocco’s appearance and character based on the given extract? 3. Mention any three actions that Morocco says he would perform in order to win Portia. 4. What does Morocco have to swear before he makes his hazard?</p>	<p><a href="https://youtu.be/9JmWJYygzT_o">https://youtu.be/9JmWJYygzT_o</a></p>
	<p><b>Act 2, Scene 2</b> <b>10.07.2021</b></p>	<p><b>Read the following extracts and answer the questions that follow:</b></p> <p><b>Extract</b></p> <p>Well, my conscience says, “ Launcelot, budge not.....is the devil himself.</p> <p>1. Who is Launcelot Gobbo? What inner struggle is going on in his conscience? What does his struggle show about the contemporary Christian practice? 2. Why does Launcelot want to run away from the Jew? What does his conscience advise him to do? 3. Enumerate the reasons given by Launcelot’s conscience to stay on with the master. 4. How is the theme of conflict between the good and the evil shown in this scene?</p>	<p><a href="https://youtu.be/aRc6WCGZQkg">https://youtu.be/aRc6WCGZQkg</a></p> <p><a href="https://youtu.be/tUMJufEBNKc">https://youtu.be/tUMJufEBNKc</a></p> <p><a href="https://youtu.be/1gfv3ono-E">https://youtu.be/1gfv3ono-E</a></p>
	<p><b>Act 2, Scene 2</b>  <b>12.07.2021</b></p>	<p><b>Read the extract given below and answer the questions that follow:</b></p> <p>Ergo, master Launcelot.....a staff or a prop? Do you know me father?</p> <p>1. Why does Launcelot use high-sounding words in his conversation with Gobbo? What does Shakespeare want to convey to the audience in this context about the habit of some people in</p>	<p><a href="https://youtu.be/fdEtv9qsE4">https://youtu.be/fdEtv9qsE4</a></p> <p><a href="https://youtu.be/C_LevVbHh4M">https://youtu.be/C_LevVbHh4M</a></p> <p><a href="https://youtu.be/ltzGOIAp-PM">https://youtu.be/ltzGOIAp-PM</a></p>

			<p>his time?</p> <p>2. Why does Launcelot call old Gobbo ‘father’ in the first line of the extract? Give the meaning of :</p> <p>According to Fates and Destinies, and such odd sayings, the Sisters Three and such branches of learning,</p> <p>3. How does Launcelot show dramatically that he is Gobbo’s son? Why does the former refer to his mother’s name in the context?</p> <p>4. Give any two humorous situations from this scene.</p>	
		<p><b>15.07.2021</b> <b>Face In The Dark</b></p>	<p><b>Read the extract given below and answer the questions that follow:</b></p> <p>From before Kipling's time, the school had been run on English public school lines; and the boys, most of them from wealthy Indian families, wore blazers, caps and ties. Life magazine, in a feature on India, had once called it the 'Eton of the East'. Mr Oliver had been teaching in the school for several years.</p> <p>(i) Who was Mr Oliver? What was his usual leisure activity? (ii) What was called 'Eton of the East'? Why?</p> <p>(iii) What kind of weather was there on the night when Oliver was returning to his school? How does it add to the setting of the story? (iv) What did Oliver encounter while coming back to school one night? What did he do after that?</p> <p>(v) What kind of man was Oliver as described earlier by the author? How did he prove himself opposite of this description?</p>	<p><a href="https://youtu.be/ffXcUmD2RWo1">https://youtu.be/ffXcUmD2RWo1</a></p>
	<p><b>MATHS</b></p> <p><b>5/7/21</b> <b>To</b> <b>9/7/21</b></p> <p><b>10/7/21 ,</b> <b>11/7/21</b></p>	<p><b>Ch5: Simultaneous Linear equations</b></p> <p><b>7 modules</b></p> <p><b>Ch - 6 : Problems on Simultaneous Linear Equations: 2 Modules</b></p> <p><b><u>Links:</u></b></p>	<p>Various method of solving pair of linear equations are Substitution method ex 5.1 Elimination method ex 5.2 Cross multiplication method 5.3 Ex 5.4 sums ( Answer all questions of text nook)</p> <p>Solve word problems related to</p> <ol style="list-style-type: none"> <li>1) Numbers (Fractions, Place value)</li> <li>2) Age</li> <li>3) Cost</li> <li>4) Percentage</li> <li>5) Speed, distance and time</li> <li>6) Work and time</li> <li>7) Miscellaneous questions.</li> </ol>	<p><b>Numbers:</b> <a href="https://youtu.be/Nsnodnk mJg 4">https://youtu.be/Nsnodnk mJg 4</a></p> <p><b>Age:</b> <a href="https://youtu.be/YNWO_P grh qM">https://youtu.be/YNWO_P grh qM</a></p> <p><b>Cost:</b> <a href="https://youtu.be/puIoLdl4 WY0">https://youtu.be/puIoLdl4 WY0</a></p>

			<p><b>Instructions:</b></p> <ul style="list-style-type: none"> <li>• Read and reread the statement of the problem carefully, and determine what quantities must be found.</li> <li>• Represent the unknown quantities by letters (x or y)</li> <li>• Determine which expressions are equal and write equations.</li> <li>• Solve the resulting equations. Write the result as answer (statement)</li> </ul>	<p><b>Speed, distance and time:</b> <a href="https://youtu.be/vPB6sLfoBNo">https://youtu.be/vPB6sLfoBNo</a></p> <p><b>Miscellaneous questions</b> <a href="https://youtu.be/AufeZBftwNM">https://youtu.be/AufeZBftwNM</a></p>
12/7/21 To 14/7/21	<b>Ch - 8 : Indices: 5 Modules.</b>	Answer all questions (Text Book – Exercise 8)	<p><b>Instructions:</b></p> <p>Write Laws of Exponents in your note book (See text book/watch module) Watch all modules and Links to answer different types of questions</p>	<ol style="list-style-type: none"> <li>1) <a href="https://youtu.be/qEjbdnkDNM">https://youtu.be/qEjbdnkDNM</a></li> <li>2) <a href="https://youtu.be/ft4EmY43l-Y">https://youtu.be/ft4EmY43l-Y</a></li> <li>3) <a href="https://youtu.be/JpMaRE61FDs">https://youtu.be/JpMaRE61FDs</a></li> <li>4) <a href="https://youtu.be/wN5hfB6hhw">https://youtu.be/wN5hfB6hhw</a></li> </ol>
15/7/21 to 17/7/21	<b>Ch - 10 : Triangle: – 4 Modules.</b> <b>Links:</b>	<p><b>Ex. 10.1</b> Q.no. 3 to Q.no. 10</p> <p><b>Ex. 10.2</b> Q.no. 6 to Q.no. 13</p> <p><b>Instructions:</b></p> <ul style="list-style-type: none"> <li>• Write reason for each statement. Draw diagram for each question using pencil and scale.</li> </ul>	<p><b>Ex.10.1</b> <a href="https://youtu.be/_grymQbEc_k">https://youtu.be/_grymQbEc_k</a> <a href="https://youtu.be/aTY6lgih6Y">https://youtu.be/aTY6lgih6Y</a></p> <p><b>Ex.10.1</b> <a href="https://youtu.be/7gTnCL7OW_xM">https://youtu.be/7gTnCL7OW_xM</a></p> <p><a href="https://youtu.be/p6w1JBLs-Tk">https://youtu.be/p6w1JBLs-Tk</a></p>	
<b>History</b>	<b>Ch.5-</b> The Mauryan Empire	<p><b>I. <u>Answer the following questions in brief:-</u></b></p> <ol style="list-style-type: none"> <li>1.Name any two literary and two archeological sources to reconstruct the Age of the Mauryas.</li> <li>2.What is a stupa? Name one stupa built by Ashoka.</li> <li>3.Who was Chanakya? Name the book written by him.</li> <li>4.Who was Megasthenes? Name the book written by him.</li> <li>5. What was the name given to the spies by Kautilya and Megasthenes?</li> <li>6.Mention any two fundamental principles of Ashoka’s Dhamma.</li> </ol>	<a href="https://youtu.be/1AA82OInQqk">https://youtu.be/1AA82OInQqk</a>	

			<p><b>II. Identify the picture and answer the following questions:-</b> (Refer pgB-59)</p>  <p>a. When was the original Stupa built?  b. Who built the Stupa?  c. By which dynasty it was enlarged?  d. What events are depicted on the channels of the Gateway?  e. Mention any two important features of the Stupa.  ( Do the above exercises in the notebook neatly)</p>	
GEOGRAPHY	MATERIAL OF THE EARTH'S CRUST (ROCKS)		<p><b>Q1.ANSWER THE FOLLOWING QUESTIONS-</b></p> <p>a) What do you mean by ores? Give one example.  b) How are Igneous Rocks formed? Why is igneous rocks crystalline in nature?  c) What is Lithification?  d) What is the significance of fossil fuel? Explain with some examples.  e) Give three characteristics of sedimentary rocks.</p> <p><b>Q2.Distinguish between the following-</b></p> <p>a) Rocks and minerals.  b) Intrusive and extrusive igneous rocks.  c) Compaction and cementation.</p> <p><b>Q3.Give reasons-</b></p> <p>a) Igneous rocks are also called primary or parent rocks.  b) Silicates are most common rock forming minerals.  c) Metamorphic rocks are harder and more resistant than the original rocks.  d) Fossils are found in the sedimentary rocks.</p>	<p><a href="https://youtu.be/GiUCAPS2giM">https://youtu.be/GiUCAPS2giM</a></p>

	<p><b>PHY</b></p>	<p><b>05-07-21</b>  <b>Ch - 3: Laws of Motion</b>  <b>Topic:</b>  <b>*Contact and non-contact forces</b>  <b>*General characteristics of non-contact forces</b></p>	<p>Q1. Explain giving two examples each  a. Contact forces  b. Non - contact forces</p> <p>Q2. A ball is hanging by string from the ceiling of the roof. Draw a neat labelled diagram showing the forces acting on the ball and the string.</p> <p>Q3. A spring is compressed against a rigid wall. Draw a neat and labeled diagram showing the forces acting on the spring.</p> <p>Q4. A wooden block is placed on a table top. Name the forces acting on the block and draw a neat and labelled diagram to show the point of application and direction of these forces.</p> <p>Q5. State one factor on which the magnitude of a non-contact force depends. How does it depend on the factor stated by you?</p>	<p><a href="https://www.extramarks.com/study-material/icse-class-9/physics-laws-of-motion-contact-and-non-contact-forces">https://www.extramarks.com/study-material/icse-class-9/physics-laws-of-motion-contact-and-non-contact-forces</a></p>
		<p><b>08.07-21</b>  <b>Ch – 3 : Laws of Motion</b>  <b>Topic:</b>  <b>*Newton’s 1<sup>st</sup> Law of Motion</b>  <b>*Mass and inertia</b>  <b>*Kinds of inertia and its examples</b></p>	<p>Q1. State Newton's first law of motion.</p> <p>Q2. Two equal and opposite forces act on a stationary body. Will the body move? Give a reason to your answer.</p> <p>Q3. Why does a coin, placed on a card, drop into the tumbler when the card is rapidly flicked with a finger?</p> <p>Q4. Explain the following:  (a) When a train suddenly moves forward, the passenger standing in the compartment tends to fall backwards.  (b) When a train suddenly starts, the sliding doors of some compartments may open.  (c) People often shake branches of a tree in an attempt to cause the fruits to fall.  (d) After alighting from a moving bus, one has to run for some distance in the direction of bus in order to avoid falling.  (e) Dust particles are removed from a carpet by beating it.  (f) It is advantageous to run before taking a long jump.</p>	<p><a href="https://youtu.be/ZVW0jUJ8dTY">https://youtu.be/ZVW0jUJ8dTY</a></p> <p><a href="https://youtu.be/Z6VVRIPnZA">https://youtu.be/Z6VVRIPnZA</a></p> <p><a href="https://youtu.be/yk23nVc2j2w">https://youtu.be/yk23nVc2j2w</a></p>

	<p><b>10-7-21</b>  <b>Ch - 3: Laws of Motion</b>  <b>Topic:</b>  *Linear momentum  *Rate of change of momentum  *Newton's 2<sup>nd</sup> Law of Motion</p>	<p>Q1. State the Newton's second law of motion. What information do you get from it?  Q2. Name the S.I. unit of force and define it.  Q3. Use Newton's second law of motion to explain the following instances:  (a) You pull your hands back while catching a fast moving cricket ball.  (b) You prefer to land on sand instead of hard floor while taking a high jump.</p>	<p><a href="https://youtu.be/CD_WGz_juZU">https://youtu.be/CD_WGz_juZU</a>   <a href="https://youtu.be/WDySog6sTto">https://youtu.be/WDySog6sTto</a></p>
	<p><b>11.7-21</b>  <b>Ch - 3 : Laws of Motion</b>  <b>Topic:</b>  *Newton's 3<sup>rd</sup> Law of Motion  *Examples of action and reaction  *Gravitation</p>	<p>Q1. State Newton's third law of motion  Q2. Name and state the action and reaction in the following cases:  (a) Firing a bullet from a gun,  (b) Hammering a nail,  (c) A book lying on a table,  (d) A moving rocket,  (e) A person moving on the floor,  (f) A moving train colliding with a stationary train.  Q3. When a shot is fired from a gun, the gun is recoiled. Explain.  Q4. When you step ashore from a stationary boat, it tends to leave the shore. Explain.  Q5. State Newton's law of gravitation.  Q6. How does the gravitational force of attraction between two masses depend on the distance between them?</p>	<p><a href="https://youtu.be/ZpQP3ubQKnU">https://youtu.be/ZpQP3ubQKnU</a></p>
	<p><b>12-7-21</b>  <b>Ch – 3 : Laws of Motion</b>  <b>Topic:</b>  *Numericals Ex: 3(C): Pg 67  Ex: 3(E): Pg 77</p>	<p><b>Concise Physics</b>  Ex 3(C): 4, 6, 7, 9, 11, 13, 14  Ex 3(E): 3, 5, 7, 9, 12, 13</p>	
	<p><b>13-7-21</b>  <b>Ch - 4: Pressure in Fluids and Atmospheric Pressure</b>  <b>Topics:</b></p>	<p>Q1. Define the term thrust. State its S.I. unit.  Q2. What is meant by pressure? State its S.I. unit.  Q3. Why is the tip of an allpin made sharp?  Q4. It is easier to cut with a sharp knife because even a small thrust causes great pressure at the edges and cutting can be done</p>	<p><a href="https://youtu.be/hI-YqZDU80o">https://youtu.be/hI-YqZDU80o</a>   <a href="https://youtu.be/LveLZnlTVk0">https://youtu.be/LveLZnlTVk0</a></p>



	<p><b>*Thrust and Pressure</b>  <b>*Pressure in Fluids</b>  <b>*Laws of liquid pressure</b>  <b>*Pascal's Law</b></p>	<p>with less effort.  Q5. Wide wooden sleepers are placed below the railway tracks so that the pressure exerted by the rails on the ground becomes less.  Q6. State three factors on which the pressure at a point in a liquid depends.  Q7. Explain why a gas bubble released at the bottom of a lake grows in size as it rises to the surface of the lake.  Q8. State the laws of liquid pressure.  Q9. State Pascal's law of transmission of pressure.</p>	<p><a href="https://youtu.be/wDpn2rMh3b4">https://youtu.be/wDpn2rMh3b4</a></p>
	<p><b>15-7-21</b>  <b>Ch – 4 : Pressure in Fluids and Atmospheric Pressure</b>  <b>Topics:</b>  <b>*Atmospheric Pressure</b>  <b>*Common consequences of atmospheric pressure</b></p>	<p>Q1. We do not feel uneasy even under enormous pressure of the atmosphere above as well as around us. Give a reason.  Q2. Explain the following :  (i) A balloon collapses when air is removed from it.  (ii) Water does not run out of a dropper unless its rubber bulb is pressed.  (iii) Two holes are made in a sealed tin can to take out oil from it.</p>	
	<p><b>16-7-21</b>  <b>Ch – 4 : Pressure in Fluids and Atmospheric Pressure</b>  <b>Topics:</b>  <b>*Simple Barometer</b>  <b>*Fortin Barometer</b>  <b>*Aneroid Barometer</b>  <b>*Altimeter</b></p>	<p>Q1. Give two reasons for use of mercury as a barometric liquid.  Q2. Mention two defects of a simple barometer and state how they are removed in a Fortin barometer.  Q3. State two advantages of an aneroid barometer over a simple barometer.  Q4. What is an altimeter? State its principle. How is its scale calibrated?</p>	<p><a href="https://youtu.be/7guv01A2f_Y">https://youtu.be/7guv01A2f_Y</a></p>
	<p><b>17-7-21</b>  <b>Ch – 4 : Pressure in Fluids and Atmospheric Pressure</b>  <b>Topics:</b>  <b>*Numericals:</b>  <b>Ex 4(A) Pg: 89</b>  <b>Ex 4(B) Pg: 97</b></p>	<p><b>Concise Physics</b>  Ex 4(A): 3, 4, 7, 9, 12, 14  Ex 4(B): 3, 4</p>	

	Chemistry	Gas laws	<p><b>Module 1.</b></p> <p>1. What is the need for the kelvin scale of temperature</p> <p>2. Explain Boyle's law and Charles' law on the basis of the kinetic theory of matter.</p> <p>3. What is meant by aqueous tension? How is the pressure exerted by a gas corrected to account for aqueous tension?</p> <p>4. Give reason for the following :</p> <p>(a) All temperatures in the absolute (kelvin) are positive in figure</p> <p>(b) Gases exerts pressure in all direction</p> <p>(c) Inflating a balloon seems to violate Boyle's law</p> <p>(d) Gases have lower density compared to that of solids or liquids.</p> <p>(e) Why is it necessary to compare gases at STP?</p> <p>5. Numericals</p> <p>(a) Prove that the volume of a gas at 273°C is twice its volume at 273 K, at constant pressure.</p> <p>(b) At constant temperature, a gas is at a pressure of 1080 mm of Hg. If the volume is decreased by 40% , find the new pressure of the gas</p> <p>(c) What will be the minimum pressure required to compress 500 dm<sup>3</sup> of air at 1 bar to 200 dm<sup>3</sup> temperature remaining constant.</p> <p>(d) 50 cm<sup>3</sup> of hydrogen is collected over water at 17°C and 750 mmHg pressures. Calculate the volume of a dry gas at STP. The water vapour pressure at 17°C is 14 mmHg.</p> <p>(e) Give the assumptions of the kinetic molecular theory.</p>	
	Biology	Respiration in plants	<p>N.B. All the assignments have to be done in the copy.</p> <p><b>Module 1:</b></p> <p><b>I. Answer the following questions:</b></p> <p>1. Define respiration</p> <p>2. Write the differences between the following:</p> <p>a. Glycolysis and Krebs cycle.</p> <p>b. Anabolic process and catabolic process</p> <p><b>Module 2:</b></p> <p><b>I. Answer the followings:</b></p> <p>1. What are the different structures through the plants respire?</p> <p>2. How is respiration different from burning?</p> <p><b>II. Give reasons:</b></p> <p>1. Ploughing and tilling of soil is necessary before growing crops.</p> <p>2. We should not sleep under a tree during the nights.</p>	<p><a href="https://youtu.be/WsqP1O7388g">https://youtu.be/WsqP1O7388g</a></p> <p><a href="https://youtu.be/_q2RHlrgaXE">https://youtu.be/_q2RHlrgaXE</a></p>

		<p><b>Module 3:</b>  <b>I. Answer the following:</b>  1. What are the two kinds of respiration?  Write their chemical equation.  2. Mention any 3 differences between aerobic and anaerobic respiration.  II. From the exercise  E – 2,4</p> <p><b>Module 4:</b>  I. Answer the followings:  1. Respiration and photosynthesis are distinctly opposite processes – explain  2. What are the differences between respiration in plants and respiration in animals?</p>	<p><a href="https://youtu.be/fju5ff-clHQ">https://youtu.be/fju5ff-clHQ</a></p> <p><a href="https://youtu.be/4lg9tDKxTbE">https://youtu.be/4lg9tDKxTbE</a></p> <p><a href="https://youtu.be/wcbGYA7tP8I">https://youtu.be/wcbGYA7tP8I</a></p>
<b>Commercial Studies</b>	<b>Partnership</b>	<p><b>Short Answer Questions.</b>  Q. Define Partnership.  Q. What is Partnership deed?  Q. What is nominal partner?  Q. What do you mean by limited partner?</p> <p><b>Long Answer Questions.</b>  Q. Discuss the Merits and demerits of partnership business.  Q. What is partnership? Explain the features of partnership?  Q. Distinguish between partnership and Sole proprietorship business.</p>	<p><a href="https://youtu.be/UYBozaBZVgQ">https://youtu.be/UYBozaBZVgQ</a>  <a href="https://youtu.be/OCCcJNR7Ric">https://youtu.be/OCCcJNR7Ric</a></p>
	<b>Joint stock company</b>	<p><b>I. Answer the following questions in brief:</b>  Q1. Define Joint Stock Company.  Q2. What do you mean by perpetual succession?  Q3. Give two examples of Registered company.  Q4. What is common seal?  Q5. What is OPC?</p> <p><b>II. Answer in detail:</b>  Q1. State five characteristics of Joint Stock Company.  Q2. What is Statutory company?</p>	<p><a href="https://youtu.be/yk1EIGH">https://youtu.be/yk1EIGH</a>  <a href="https://youtu.be/jXpb-19_">https://youtu.be/jXpb-19_</a>  <a href="https://youtu.be/eX7o6Ng">https://youtu.be/eX7o6Ng</a></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>	
		<b>Cooperative Society</b>	<p><b>Answer the following short questions:</b></p> <p>Q. Define a Co-operative Society.</p> <p>Q. Explain the distribution of surplus feature of a Co-operative Society.</p> <p>Q. Give two examples of a Co-operative Society.</p> <p><b>Essay type questions:</b></p> <p>Q. Explain the features of a Co-operative Society.</p> <p>Q. Differentiate between a Co-operative Society and Joint stock company.</p> <p>Q. Differentiate Co-operative Society and Partnership.</p>	<p><a href="https://youtu.be/qR96g6IW2Eo">https://youtu.be/qR96g6IW2Eo</a></p>
	<b>Economic Application</b>	<b>Ch 5- The nature and classification of an economy</b>	<p><b>Answer in brief:</b></p> <p>Q1. What is a developing (underdeveloped) economy?</p> <p>Q2. Give two differences between developed and underdeveloped economies.</p> <p>Q3. Give two features of each of the following:</p> <p>i) A capitalistic economy.</p> <p>ii) A socialistic economy.</p> <p>Q4. State two demerits each of the following</p> <p>i)A mixed economy.</p> <p>ii) A socialistic economy.</p> <p>Q5. Distinguish between a capitalistic economy and a socialist economy.</p> <p><b>Answer in detail:</b></p> <p>Q1. Differentiate between developed and underdeveloped economies.</p> <p>Q2. What do you mean by a capitalistic economy? Explain the main features of a capitalistic economy.</p> <p>Q3. What is mixed economy? Explain its characteristic features.</p>	<p><a href="https://youtu.be/pgmgM_8JJSs">https://youtu.be/pgmgM_8JJSs</a></p> <p><a href="https://youtu.be/6QVCP8Z6KIY">https://youtu.be/6QVCP8Z6KIY</a></p>

COMPUTER  
APPLICATI  
ON

Revision for first term

I. Answer the following questions.

1. The two types of Java programs/applications are?
2. Name four basic features of JAVA.
3. Differentiate between Compiler and Interpreter.
4. Differentiate between Testing and Debugging.
5. What are iteration statements? Name the iteration statements provided by Java?
6. Differentiate between char and String data type
7. What is the purpose of default in a switch?
8. What do you mean by variables? What do you mean by dynamic initialization of a variable?
9. What do you mean by type conversion? What is the difference between implicit and explicit type conversion explain with example.
10. What is a compound Statement? Give an Example.
11. Give ant two examples of each operator
  - a. Logical operator
  - b.arithmetic operator
  - c. relational operator
12. Name the following :
  - a. A package that is invoke by default.
  - b. A keyword, invoke the package in the class.
13. Give the output for the following function.
  - a. Math.abs(32.76)
  - b. Math.floor(-34.60)
  - c. Math.ceil(34.60)
  - d. Math.sqrt(Math.max(Math.abs(-400.0),Math.pow(5,4)))
14. Convert following Arithmetic expression in to Java expression.
  - i.  $d = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$
  - ii.  $x = |d| + |t|$
15. Evaluate the following expression, if the values of the variables are  
int k=8,m=11, r=7;
  - a)  $P = m + (- - r + k) + 3 * (m++) * m$
  - b)  $K += (- - m \% 3) + *(m++ * (10 + r + + ) )$

	<b>HINDI</b>	<b><u>काकी</u></b>	<p><u>प्रसंग</u> - "उस दिन बड़े सबेरे श्यामू की नींद खुली तो उसने देखा कि घर भर मं कुहराम मचा हुआ है।"</p> <p>क. किसके घर मं कुहराम मचा हुआ था और क्यों? ख. सबेरे नींद खुलने पर श्यामू ने क्या देखा? उसकी माँ किस अवस्था में थी? ग. लोगों द्वारा उमा को उठाकर ले जाने पर श्यामू की क्या प्रतिक्रिया थी? घ. लोग उमा को उठाकर कहाँ ले जा रहे थे? बुद्धिमान गुरुजनों ने रामू को क्या विश्वास दिलाया? क्या सत्य बहुत दिनों तक छिपा रह सका?</p> <p><u>प्रसंग</u> - "उस दिन श्यामू को चिंता के मारे बहुत रात तक नींद नहीं आई?"</p> <p>क. किसने आसमान मं उड़ती पतंग देखी? विश्वेश्वर कौन थे? ख. क्या सोचकर श्यामू का हृदय खिल उठा? ग. श्यामू को चिंता के मारे क्यों नींद नहीं आई? घ. श्यामू द्वारा भोला से पतंग मंगाने का रहस्य क्या था?</p> <p><u>अतिरिक्त प्रश्न :-</u></p> <p>. _____ ? . श्य _____ न्न _____ क्य _____ ? . _____ हु _____ क्य _____ ? . श्वेश्व श्य _____ क्य _____ ?</p>	
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Rakshmi

DIRECTOR ACADEMICS