| CLASS | SUBJECT | TOPIC / CHAPTER | MODULE/ ASSIGNMENT | REFERENCE LINKS |
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| X | English Language | Synthesis Of Sentences | **Assignment 1**<br><br>**Combine each of the following sets of sentences into one compound sentence:**<br><br>1. Tom plays hockey. He plays cricket.<br>2. He knows English. He also knows French.<br>3. Jane is quite friendly. Her brother is rather reserved.<br>4. There was little hope of success. I tried hard.<br>5. One threw a tomato. Another threw an egg.<br>6. He wrote the letter. He sent it through the messenger.<br>7. Winston Churchill was a great statesman. He was a great writer.<br>8. Wise men welcome advice. Fools scorn advice.<br>9. He may see your point. He is a reasonable man.<br>10. I tried my best. I couldn't pass the test.<br><br>**Answers**<br>1. Tom plays hockey as well as cricket.<br>2. He knows English as well as French.<br>3. Jane is quite friendly whereas her brother is rather reserved.<br>4. There was little hope of success nevertheless I tried hard.<br>5. One threw a tomato and another an egg.<br>6. He wrote a letter and sent it through the messenger.<br>7. Winston Churchill was not only a great statesman but also a great writer.<br>8. Wise men welcome advice whereas fools scorn it.<br>9. He may see your point for he is a reasonable man.<br>10. I tried my best; still I couldn't pass the test. | https://youtu.be/In84BMDxy_g |

| | | Preposition | **Assignment 1**<br><br>**Fill in the blanks with appropriate prepositions using the given alternatives:-**<br><br>(i) The lion was killed.........the hunter............ a sword, (in, on, by, with)<br>(ii) Father divided his property...............four sons.(between, among, of, in)<br>(iii) He has been living in this house............. 1985. (for, since, in, on)<br>(iv) I shall return........ a month. (in, of, on, for)<br>(v) The Ramayana is lying....... the table. (in, of, on, for)<br>(vi) We shall finish this work. ............... 5 p.m. today. (in, by, on, at)<br>(vii) Send me letters........... this address. (by, in, to, on)<br>(viii) You should listen...........what your parents say. (among, in, to, between)<br>(ix) Sita writes.............the notebook. (with, on, in, at)<br>(x) He did not listen......... my advice. (at, to, in, on) | |
| | English Literature | **Ch : The Little Match Girl** | Answer the following questions :-<br>1. What was special about the particular evening in the story ? what kind of weather was there in the evening?<br>2. How can you conclude from the story that the girl as poor and dejected?<br>3. Why was the girl out and cold ? what prevented her from going back home<br>4. How did the girl lose her shoes ?<br>5. Why was the carrying matches with her ?<br>6. Where was the girl sitting ? how did she try to warm her fingers?<br>7. Explain what kind of relationship the girl shared with her father. | |

| | | **Ch : The Little Match Girl** | Modules : 1&2 | |
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| | | | Answer the following questions :- <br> 1. What happens every time the girl lights the matchstick? What becomes translucent ? <br> 2. What did the little girl's grandmother say about the falling star ? <br> 3. What happens when the match stick burns out? <br> 4. Were the images that she saw was real? What was the girl forced to do ? <br> 5. What change did she observe in the candles on the Christmas tree that she imagined? <br> 6. How did the grandmother look when the matches flared up with a blaze? <br> 7. Where did the grandmother take the little girl? <br><br> 8. Why did cold, hunger and fear have no effect on the grandmother and the little girl? <br> 9. What happened to the little girl on the last evening of the year? <br> 10. "She crept along, shivering and hungry, the picture of misery, poor little thing !"Elaborate with reference to the match girl . | |
| | **MATHS** | Ch – 18 : Trigonometrical Identities | Module-1 :Trigonometric Ratios: Ex- 18 ,Q.no 1 to 5 and solved examples 1,3 and 4. <br> Module-2 :Complimentary angles, Ex- 18 :Q.no 6,7 and 8. <br> Module-3:Trigonometrical Identities, Ex- 18.Q.no 12,14,16 and 22. <br> Module-4:Fundamental Identities, Ex-18 :Q.no 22,23,25,28,31and 32. | |
| | | Ch - 4 : Linear Inequations | Module-1: Inequalities among Real numbers. Ex-4 ,Q.no 1,2,3,8,10 and12 . <br> Module-2 :Solving linear Inequations in one variable and representation of solution set on number line. EX-4 : Q.no.13, 16, 23, 26, 30, 33 and 40. Also Practice solved examples. | |
| | History and Civics | Ch- 1 First War of Independence | **Modules** :1) Political Causes 2) Religious & social causes <br> 3) Economic causes <br> I ) From 'Exercises' (Given at the end of chapter) <br> Question No : 1 to 14 | |

| | | | II ) **Write short notes on :-**<br>a) Subsidiary Alliance<br>b) Treatment meted out to the Mughal Emperor<br><br>**Modules**: 1) Military Causes<br>I ) From 'Exercises' (Given at the end of chapter)<br>Question No : 15 to 23<br><br>II ) From 'Structured Questions' (Given at the end of chapter)<br>Question No : 4 &5 (Each point of the answer should be written in bullets and not as a complete paragraph)<br><br>**NOTE:** **Read the chapter thoroughly before answering the questions and try to write your answers in points.** | https://www.youtube.com/watch?v=K5TF5ErPKZo |
| | **GEOG** | Ch – 4 : Natural Vegetation<br><br>Module – I<br>Topic – Importance of forests | Q1. Define: (a) Natural resources        (b) Vegetation<br>Q2. Answer in brief:<br>    (a) Why India has huge diversity in flora and fauna?<br>    (b) Explain why forests are an important natural resource? | https://youtu.be/C0MhwHybaZk |
| | | Module – II<br><br>Topic – Types of forests | Q1. Answer in brief:<br>    (a) Name the forest which is commercially most important in India.<br>    (b) Name two trees which grow in this forest.<br><br>Q2. (a) Give two characteristics of tidal forests and Tropical deciduous forest.<br>    (b) Give the economic importance of Teak, Sandalwood, Sisam and Sal.<br><br>Q3. Give reason:<br>    (a) Tropical evergreen forests are difficult to exploit for commercial purposes.<br>    (b) Forests grown in and around the iron and steel cities. | https://youtu.be/Z8jOcYEtyc0 |

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| | | Module – III<br><br>Topic – Conservation of forests | Q1. Define:<br>　(a) Social forestry. (b) Agroforestry.<br>Q2. Mention three reasons why forests must be conserved.<br>Q3. Differentiate between: Afforestation and Deforestation.<br>Q4. Give three reason for rapid depletion of forest resource in India. | https://youtu.be/VmLYUwtR1lk |
| | PHYSICS | Ch – 2 Work, Energy and Power | Topic: Work<br>1. Define work. State its SI unit and CGS unit also establish the relationship between the two units.<br>2. A satellite revolves around the earth in a circular orbit. What is the work done by satellite? Give reason.<br>3. State the condition when the work done by a force is positive, negative and zero. Explain with the help of example.<br>4. What physical quantity does the electron volt (eV) measure? How is it related to SI unit of that quantity?<br>5. Name the quantity which is measured in (i) kWh (ii) kW (iii) Wh (iv) eV<br>Numerical: Ex 2(A) 1, 2, 5, 6, 8, 10, 12, 14, 15, 16. | https://youtu.be/r0zSjQWqK-I |
| | | Ch – 2 Work, Energy and Power | Topic: Different forms of energy<br>1. Define the term potential energy of body. Name its two forms and give example of each.<br>2. A light mass and heavy mass have equal momentum. Which will have more kinetic energy?<br>3. In what way does the temperature of water at the bottom of waterfall differ from the temperature at the top? Explain the reason.<br>4. State energy changes in (i) loudspeaker (ii) microphone (iii) burning coal (iv) steam engine<br>5. What do you mean by degradation of energy? Explain it by taking one example from your daily life.<br>Numerical: Ex 2(B) 1, 3, 4, 7, 9, 11,12. | |
| | | Ch – 2 Work Energy and Power | 1. State the Principle of conservation of energy.<br>2. Show that the sum of kinetic energy and potential energy is always conserved in the case of freely falling body under gravity. | |

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| | | | 3. A pendulum is oscillating on either side of its rest position. Explain the energy changes that take place in the oscillating pendulum. How does mechanical energy remain constant in it? Draw the necessary diagram.<br>Numerical: Ex 2(B) 14, 16, 18, 19, 21, 22, 23. | |
| | CHEM | Ch2 – Chemical Bonding | 1. How do atoms attain noble gas configuration?<br>2. Mention the basic tendency of an atom which makes it to combine with other atoms.<br>3. Define chemical bond.<br>4. Mention the types of chemical bond.<br>5. Do the following questions of Intext Questions of page number 25:- Q. No.    3,4,6-11<br>6. Do the following questions of Intext Questions of page number 32:- Q. No.    2-5,7,9-13<br>7. Draw the electron dot structure of<br>a. $Cl_2$        b. $H_2O$        c. HCl          d. $NH_3$ | https://youtu.be/2K2Gr4GI2qA |
| | **BIOLOGY** | Ch – 5 : Transpiration<br><br>Module 1.<br>Topic:*Transpiration<br>*Kinds of Transpiration | a. Study Expts.1,2 and record your Observation.<br>b. State the role of cobalt chloride paper in **Exp.no.2.**<br>c. Define Transpiration<br>d. Give Reasons:<br>   i) More transpiration occurs from undersurface of leaves.<br>   ii) Leaves of some plant wilt during midday and recover in the evening. | link:https://youtu.be/U4rzLhz4HH K |
| | | Module 2.<br><br>Topics:*Factors that affect Transpiration<br>* Adaptations in plants to reduce Transpiration | a) State any <u>two</u> factors that affect transpiration.<br>b) Explain:<br> i) Transpiration increases with the velocity of wind.<br> ii) Transpiration is reduced if the outside air is humid.<br>c) List any <u>three </u>adaptations in plants to reduce Transpiration. | https://youtu.be/g4R_6rcAPDI<br>https://youtu.be/cUWOvp1aWMs |
| | | Module 3.<br><br>Topic:*Significance of Transpiration | a) Forests contribute in bringing rain. Explain how.<br>b) Differentiate between:<br>  i) Evaporation and Transpiration     ii) Guttation and Bleeding<br>c) What are hydathodes?<br>d) List any <u>four </u>advantages of transpiration to plant. | https://youtu.be/WxXX5lEhS_O |

| | | Module 4 | QUESTION AND ANSWER DISCUSSION | |
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| | **COMM ST** | Ch - 4 : Consumer Protection | Read the Chapter Answer the questions :<br>Q. What is meant by Unfair trade practices? Mention any two unfair trade practices.<br>Q. Why do we need the Consumer Protection Act.? | https://youtu.be/99PF_JYl6Uw |
| | | Module 01 : Consumer exploitation and need of consumer Protection | Q. What is consumer exploitation? | |
| | | Module 02 : Consumer protection Act. | Q. Give any two features of Consumer Protection Act.<br>Q. What are the objectives of consumer protection Act.?<br>Q. Mention two remedies that are available to an affected consumer under the consumer protection Act. | https://youtu.be/u6T2qGtW6LY |
| | | Module 03: Consumer Rights | Q. Explain five main rights of consumers as provided in the consumer protection Act. 1986. | https://youtu.be/ElJ2bYzC7wQ |
| | **ECO APPL** | Ch - 4 : Factors of Production (Land and labour)<br>Module 01: Concept of factors of Production<br>Module: 02: Land as factor of Production | Answer questions<br><br>Q. What is meant by Land use pattern?<br>Q. 'Land is the original sources of all material wealth.' ln this context, explain four determinants that influence the productivity of land.<br>Q. Explain any five characteristics of land. Suggest any two measures to improve productivity of land. | https://youtu.be/CPYwYG4rbmI |
| | | Module 03: Labour as factor of Production. | 1))Answer the questions<br>a) Briefly explain why labour is considered to be the means and end of Production?<br>b) ' Efficient labour force is an important economic ingredient.' In this context, define efficiency of labour. Explain three factors that determine the efficiency of labour.<br>c)  Explain with the help of an example the simple and complex division of labour. Mention any three merits of division of labour.<br>d) Explain any five characteristics of labour.<br>e) Define efficiency of labour and explain any three of it's benefits. | |

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| | | | Briefly explain two causes of the low efficiency of labour in India.<br>f) Briefly explain the impact of division of labour on cost of production by a firm. | |
| | | | **NOTE:- Complete two Projects out of four in Summer vacation..**<br>**Project 01: Demand**<br>**Project 02: Entrepreneurship Project03: Privatization in India**<br>**Project 04: Banking** | |
| | **Computer** | Chapter 4 –VALUE AND DATA TYPE | Q1. What are keywords? can keywords be used as a identifiers?<br>Q2.What is an identifier? What is the identifier formatting rule of Java? OR What are the rules for naming a variable?<br>Q3.What are literals? How many types of integer literals are available in Java?<br>Q4.What is a type or 'Data Type'?<br>Q5.What is primitive data type? Name its different types.<br>Q6.State the two kind on data types?<br>Q7.Write down the names of three primitive and three non-primitive /reference data types in Java/BlueJ.<br>Q8.How many bytes occupied by the following data types:<br>byte, short, int, long, float,double, char, boolean.<br>Q9.What is Token? What are the tokens available in Java?<br>Q10.What do you mean by variables?<br>Q11.What do you mean by variables? What do you mean by dynamic initialization of a variable?<br>Q12.What is the function of an operator?<br>Q13.What do you mean by operator and write the name of all operators.<br>Q14.What is arithmetic operators?<br>Q15.Write major difference between the unary and binary operators? | |

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