

Holiday Homework

Class IX

English

1. Prepare a project on Gulliver's first two voyages to Lilliput and Brobdingnag highlighting the important events.
2. "True greatness resides in Humanity". A.P.J. Abdul Kalam exemplified this truth. High position did not rob him of humanity and humility. Write an article for your school magazine describing your idea about a great man. You are Virat/Anushka.
3. Prepare any one topic for ASL in about 200 words.
 - a. Swachh Bharat- A dream or reality
 - b. Violent computer games should be banned.
 - c. What responsibility do you think individuals have towards the environment?
4. Write a letter to anyone in the school whom you think as your ideal. Give reason why the person is your ideal. What qualities of him/her do you want to have? Mention one significant contribution of the person for you. How would you remain connected with him/her and reciprocate his/her contribution towards you. (Do it in file paper.)

Physics

1. In your everyday life you come across a range of motions in which
 - a. Acceleration is in the direction of motion.
 - b. Acceleration is against the direction of motion.
 - c. Acceleration is uniform.
 - d. Acceleration is non-uniform.Can you identify one example each of the above type of motion?
2. Place a water filled tumbler on a tray. Hold the tray and turn around as fast as you can. We observe that the water spills why?
3. Why is the weight of an object on the moon $1/6^{\text{th}}$ its weight on the earth?
4. A bullet of mass 10g is horizontally fired with a velocity 100m/s from gun of mass 2 kg. What is the recoil velocity of gun?
5. A driver of a car traveling at 52 km/h applies the brakes and accelerates uniformly in opposite direction. The car stops in 5 sec. Another driver going at 3 km/h in another car applies his brake slowly and stops in 10 sec. On the same graph paper, plot the speed versus time graph for the two cars. Which of the two cars travelled faster after break were applied?

Chemistry

1. Which has more no. of atoms 100g of N_2 or 100g of NH_3 ?
2. In a chemical reaction 10.6 g of Na_2CO_3 reacted with 12g ethanoic acid, the products obtained were 4.4g of CO_2 , 16.4 g of sodium ethanoate and 1.8g of water.
 - a. Write the word equation, clearly showing the products and reactants as give above.
 - b. Also show that this data is in agreement with the law of conservation of mass.
3. On a thermocol sheet, write down and show the formula of $\text{Ca}(\text{OH})_2$, CuSO_4 , NaCl , Na_2CO_3 with the help of criss-cross method.
4. You are provided a liquid mixture of turpentine oil and water. Answer the following queries concerning their separation.
 - a. What type of mixture it is?
 - b. Which separating technique will you employ?
 - c. Can the separation be done with the help of distillation?
 - d. Name two more substance which can be separated with the help of this technique?
 - e. Can we use the same procedure for separation of ethyl alcohol and water?[work has to be done in project file.]

Biology

1. Answer the following
 - a. A fruit is green when unripe but become beautifully coloured when ripe. How does this change occur?
 - b. What is the importance of this change?
 - c. What is mutualism involved?
 - d. Give an example of such a mutualism in our society.
2. Visit a local large poultry farm and observe:
 - a. Types of breeds being reared.

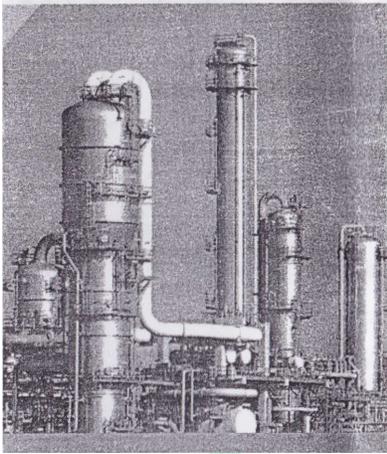
- b. Layers and Broilers.
 - c. Type of sheds, their lighting, cleanliness, provision of water and protection.
 - d. Health care like vaccination, treatment of sick animals.
 - e. Special feeds of broilers and layers.
3. Shyam has been cultivating wheat crop year after year in the same field. Recently he has observed decline in the yield despite best inputs. Agriculture inspector of the area suggested him to sow soybean for one or two years before again using the field for wheat crop. What is the rationale behind this suggestion?
 4. Why should organic foods be preferred over conventional foods?
 5. Name economically important fibers derived from sclerenchyma. Why they differ in their softness and durability?

History/Civics

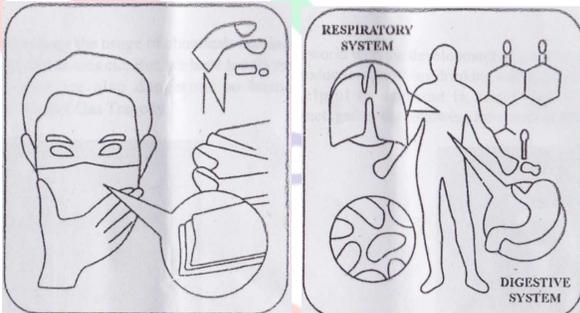
1. Prepare a model of traditional and Modern farming methods.
2. Make an album of the framers of Indian Constitution.
3. Make a collage on the life of Nelson Mandela.
4. Make an album of main events of French Revolution and Philosophers.

Geography

1. In the modern world with the development of science and technology the usage of chronic & increased to a large content raising crop production; purifying drinking water, painting beautiful homes etc. But, we hardly realised that these chemicals, which are helpful to mankind in some way or the other are also dangerous W humanity and environment. From the internet, gather the following information about the Bhopal Gas Tragedy.



2. A biological attack is the release of germs or other biological substances either inhaled, eaten or entered through the skin. Some biological agents cause contagious diseases. The attack may not be obvious immediately. It is likely that health care workers will report a pattern of unusual illnesses.



- a. What are the steps you will take to protect yourself?
- b. What are the symptoms of a possible chemical leakage?

Foundation of IT

1. Create a Power Point Presentation on any topic as per your choice which contains minimum 10 slides and create a CD for the same.
2. Make a poster of "Save Environment". Submit it into CD.
3. Explain the communication channels/ Transmission Media(Wire and Wireless).
4. Explain the types of software with example.

Hindi

- सरदार सरोवर बाँध के निर्माण कार्य में विलम्ब का कारण पुर्नवास की समस्या रही।मेधा पाटकर के अंदोलन के विषय में लिखते हुए विस्थापन की समस्या का वर्णन करें।
- अपने दादाजी को पत्र लिखते हुए उन्हें यह बताएँ की आप अपने विद्यालय में किस व्यक्ति से अधिक प्रभावित है और क्यों? आप उनके किन-किन गुणों को अपनाना चाहते है।
नोट-उपर्युक्त कार्य अपने व्याकरण की कॉपी में करें।

Sanskrit

- "स्वस्थवृत्तम्" इति विषये चित्रम् रचयित्वा संस्कृतेन परियोजनाकार्यम् कुरुत (चार्ट पेपर पर)
- "विज्ञानस्य चमत्कारः" इति विषये चित्रम् रचयित्वा संस्कृतेन अनुच्छेदं लिखत्।
- व्याकरण पुस्तकात् किमपि एकं पत्रं मंजूषायाः शब्दसूचि सहायतया पूरयत।(चार्ट पेपर पर)

