D.A.V Public School S.P mines (ECL),Chitra

Home Assignment For Diwali And Chatth Puja

**Class-X Sub:English**

1. (a) Chapter -9 “madam rides the bus”,page -127 Question number -4,6,7 and 8

(b) All the comprehension questions of ch-8

1. You are a member of one NGO. A cleanliness drive is headed by you. You are invited to deliver a speech on “clean India launched by honourable P.M modi.
2. On your way – a crowd –crying parents –fire brigade – engaged-diverse searched –invain – 16 year boy -----

Using the input given above prepare a story.

1. Recently your school organized a mega show inviting the singers and celebreties. This cultural show was a historic mark for your school. Prepare a report to be published in your school magazines.

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Class-X-A+B Sub:Chemisty

Assignment

1. What is the unique property of Carbon. How it is helpful to us?
2. Explain the structure of fulerence.
3. Give any two differences b/w Diamond and Graphite.
4. Give the reasons why carbon forms a large number of compounds.
5. Draw the Dot Structure of cyclohexane and benzene.
6. Draw all the isomers of pentane and write its IUPAC name.
7. What are the characteristics of a homologous series.
8. Write down the structure of functional gmp present in following compound CH3CHO, CH3CH2COOH, CH3CH2CH2OH,CH3COCH3.
9. Draw the structure of Hexanal and Butanone.
10. Write down the IUPAC name of

**HOME ASSIGNMENT FOR DEEPAWALI AND CHATT VACATION**

**SUB - MATHS CLASS-X A**

1. A toy is in the form of a cone of radius 3.5cm mounted on a hemisphere of same radius. the total height of the toy is 15.5cm. find the total surface area of the toy.
2. A cone of height 24cmand radius of the base6cm is made up of modelling clay. A child reshapes it in the form of a sphere, find the radius of the sphere.
3. A 20 m deep well with diameter 7m is dug and the earth from digging is evenly spread out to form a platform 22m by 14m. find the height of the sphere.
4. A drinking glass is in the form of a frustum of a cone of height 14cm.the diameter of its two circular ends are 4cm and 2cm.find the capacity of glass.
5. Find two consecutive positive integers, sum of whose square is 365.
6. A train travels 360 km at a uniform speed. if the speed has been 5km/hr more ,it would have taken 1hour less for the same journey .find the speed of the train.
7. Find the value of k for 2x2+kx+3=0 so that theyhave two equal roots.
8. It is possible to design a rectangular park of perimeter 80m and area 400m2? If so find the length and breadth.
9. Find the roots of quad. Equation 4x2+4under root 3+3=0
10. Find the roots of the equn 5x2-6x-2=0by the method of completing the square.

 Project work

To find the formula for the nth term of an a.p

To find the sum of the first n terms of an a.p

**CLASS-X SUB: BIOLOGY**

1. Explain Mendel’s monohybrid cross experiment with schematic diagram and derive the law of dominance and law of seggration from it.
2. Explain Mendel’s dihybrid cross experiment showing the ratio of F-2 progeny.
3. How is sex determined in human beings?Explain with schematic diagram.
4. Explain the transmission pattern of blood group in human beings with example.
5. Explain Oparin-Haldane theory of origin of life.
6. How did Urey and Miller experimentally verified the Oparin-Haldane theory?
7. What is palaeontology? How is it provide evidences of evolution?
8. Distinguish between homologous and analogous organs with example.

HOME ASSIGNMENT FOR DIWALI AND CHHATH

CLASS-X

SUBJECT - PHYSICS

Q.1. Write sign conventions for spherical mirror as well as plane mirror.

Q.2. Draw a ray for different positions of object in spherical and plane mirror.

Q.3. Write the uses of spherical and plane mirror.

Q.4. What is lateral inversion? Write its cause and example.

Q.5. To solve numerical problems from N.C.E.R.T.- Intext + Solved + Example + Exercise based on mirror.

**D.A.V. P.S., ECL, CHITRA**

**Deepawali & Chhath HA 2019-20**

**CLASS - X (A&B) Social Science (Economics)**

1. **What are the two categories of sources of credit? Mention four features of each.**
2. **Describe any four advantages of SHG for the poor.**
3. **How does credit plays a positive and vital role? Explain with suitable example.**
4. **Why do MNCs set up their offices and factories in certain areas only? Explain any five examples.**
5. **How can consumers and producers be benefited from foreign trade? Explain with examples.**

**Project:-**

**Make a project report on “Consumer Rights” Write about its achievements and its failures.**