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

Home Assignment For Diwali And Chatth Puja

Class-IX –A Sub:Physics

Assignment

1. Define work, energy, power?
2. Name 4 devices to transform energy.
3. Define Kinetic and potential energy and write their formula.
4. Prove that K.E =1/2 mv2
5. Obtain the expression for work done by oblique force acting on the box .

Project work

Draw the figure of 5 devices and their energy transformation on chart paper.

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

Home Assignment For Diwali And Chatth Puja

Class-IX-A Sub:Chemisty

Assignment

1. State and explain law of constant proportion.
2. Define the terms atom and Molecule
3. What is relative atomic and molecular mass.
4. What do you meau by saying the RAM of o =16u.
5. What are ions. How catious and anious are formed.
6. Write down the symbol of 9m ,lead , Mercury and Copper.
7. Name the ions formed from Mg, Ca, F and O.
8. Write down the main postulates of Dalton’s Atomic Theory.

**D.A.V. Public School Chitra**

**Home Assignment for Diwali and Chhath**

**Subject:- Maths Class:- IX A**

**Q1.** A solid iron rectangular block of dimension [2.2mx1.2mx1m] in cast into a hollow cylindrical pipe of internal radius 35cm and thickness 5cm. Find the length of the pipe.

**Q2.** A rectangle sheet of paper 44 cm x 20 cm is rolled along its length and a cylinder is formed . Find the volume of cylinder formed .

**Q3.** 30 circular plates is of radius 14 cm and thickness 3 cm are placed one above the other to form a cylinder solid :

Find (i) Total surface area .

(ii)Volume of cylinder so formed.

**Q4.** Find the weight of a solid cylinder of radius 10.5 cm and height 60 cm. If the material of the cylinder weight 5 gm per cubic meter.

**Q5.** How many meters of cloth, 5 m wide, will be required to make a conical tent, the radius of whose base is 7 m and height is 24 m.

**Q6.**  A cone of height 8 m has a curved surface area 188.4 sq. m. Find the volume .

**Q7.**  A corn cob, shaped somewhat like a cone , has the radius of its broadest end is 2.1 cm and length as 20 cm . If each 1 sq. cm. of the surface of the cob carries an average of 4 grains . Find how many grains you would find in the entire cob .

**Q8.** A semicircular sheet of diameter 28 cm is bent to form an open cylindrical cup . Find the capacity of cup .

**Q9.**  A cylinder lies within a cube touching all its vertical faces and a cone lies inside the cylinder . If their heights are with same base , find the ratio of their volumes .

**Q10.**  The internal and external diameters of hollow hemispherical vessel are 20 cm and 28 cm respectively . Find the cost of painting the vessel all over at 35 paise per sq. cm .

**ACTIVITY**

1. To verify that sum of exterior angles of triangle is 360 degree.
2. To find the area of rhombus .

**Deepawali & Chhath HA 2019-20**

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

1. **Describe how the poverty line is estimated in India.**
2. **Do you think that present methodology of poverty estimation is appropriate?**
3. **Discuss the major reasons for poverty in India.**
4. **Describe the global poverty trends.**
5. **What are the main features of the National Rural Employment Guarantee Act, 2005?**

**Project:-**

**Visit a nearby village or a slum area and write down a case study of a poor boy or girl of your age.**

FOR DIWALI & CHAT

Class= IX- A Subject=Biology

Q. Answer the following question:-

1. What do we get from cereals , pulse , fruits and vegetables ?
2. How do biotic and abiotic factors affect crop production ?
3. What are the desirable agronomic characteristics for crop improvement?
4. What are macro-nutrients and why are they called macronutrients ?
5. How do plants get nutrients ?

* Project work – Draw the picture of “oil seed crops” on a chart paper.