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

Home Assignment For Diwali And Chatth Puja

Class-XI Sub:Chemisty

Assignment

1. Explain Redox reaction.
2. Explain the electronic concept of Redox recation
3. What do you mean combination and displacement reaction term of Redox Reaction.
4. What are oxidizing and reducing agent.
5. Find the O.N of Cr in Cr2O72- K in KMNO4, S in SO42-, H2SO5, H2SO7
6. What is electrode potential?
7. Write the half reaction of leving place of each electron in following reaction Zn+H2SO4=ZnSO4+H2.
8. Replacement the cell of following reaction : Zn+Cu++= Zn+++Cu
9. Balance the following redox reaction in the medium described Mno4 - + Fe2+→Mn+++ Fe3+

Cr2O72-+ H2S→Cr3++ S

**HOLIDAY ASSIGNMENT**

**CLASS-XI SUB: BIOLOGY**

1. What is water potential? What is the water potential of pure water?
2. Explain the pathways of absorption of water in plants with diagram.
3. What is ascent of sap? Explain the theories related to it.
4. Distinguish between micro and macro nutrients with examples.
5. Write the role and deficiency symptoms of the following nutrients.
6. Nitrogen, b. Phosphorous c. Potassium d. Zinc
7. Explain the biological nitrogen fixation in plants.
8. Explain non-cyclic photophosphorylation with schematic diagram.
9. Explain calvin cycle with diagram.
10. What is photorespiration in plants? Expain its significance with diagram.
11. Draw and explain C-4 pathway in some tropical plants.

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

**Deepawali & Chhath HA 2019-20**

XI – Economics – HA-2019-20

**1 Explain the relationship between marginal product and average product.**

**2. Explain law of variable proportion.**

**3. Explain the meaning of diminishing returns to a factor? Why do diminishing returns to a factor occur?**

**4. Show that TU is maximum and constant when MU is zero.**

**5. Write the properties of IC.**

**Project:-**

**1 Make a project report on global warming.**

**2. Make a project report on PPC.**

CLASS-XI

HOME ASSIGNMENT FOR DIWALI AND CHHATH

PHYSICS

Q.1. State and prove Kepler’s law and based problems from N.C.E.R.T.

Q.2. State and explain Gravitational Potential Energy and Gravitational Potential and based problems.

Q.3.i. State and prove Escape Velocity and based problems and its applications

ii. Earth has atmosphere whereas moon has no atmosphere. Why?

Q.4. State Orbital Velocity. Find the derivation for time-period, height, momentum and T.E. for the satellite and based problems and its applications.

Q.5. State Geostationary and polar satellite and its applications.

Q.6. To solve whole exercise of Ch: Gravitation from N.C.E.R.T.

H.A. for Deepawali & Chhath 2019

Std-XI SUB - ENGLISH

Hornbill-

1.Are we to leave our successors a scorched planet of advancing deserts, impoverished landscapes and an ailing environment? Give your own views.

2.We have not inherited this earth from our forefathers, we have borrowed it from our children. Explain.

3.Why does the author aver that the growth of world population is one of the strongest factors distorting the future of human society?

4.How are the earth`s principal biological systems being depleted?

5.What does the notice `The World`s most dangerous animal’ at a cage in the zoo at Lusaka,Zambia signify?