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

Home Assignment For Diwali And Chatth Puja

Class-XII Sub:Chemisty

Assignment

1. Differentiate between Order and Molecularity .
2. Discribe pseudo first order reaction.
3. Find out an expression for the rate constent of first order reaction.
4. Draw the graph between [R] vs Time for 2nd order and in [R] vs t for 1st order reaction.
5. What is the slop for zero order and first order reaction.
6. With the help of Amenes prove that log (V2/V1)= (Fe/Z-303R) [(1/T1)-1/T2)].
7. Identify the reaction order given each of the following :-
8. K= 2-3x10-5 L mol-1 S-1.
9. K= 3x10-4S
10. Calculate the overall order of a reaction which has the rate expansion:-
11. Rate= K[A]1/2 (B)3/2
12. Rate = K[A]3/2 [B]-1
13. What is Colrision trepnery
14. Explain the effect of catalyst on Rali of reaction and all question of NCERT Exercise (chemical kinetics)

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Class-XII Sub:Maths

Assignment

1. For the differential equation of the family of parabolas having vertex at origin and the axis along positive y-axis.
2. In a culture, the bacteria count is 1,00,000. The number is increased by 10% in 2 hours gm how many hours will the count to reach 2,00,000 if the Rate OF groth of bacteria is proportional to the number present?
3. Find a vector in the direction of vector 5-+2 Which has magnitude 8 units.
4. Using the method of integration, find the area bounded by the curve +=1.
5. Sketch the graph of y= and evaluate .
6. Find the area bounded by the curve (x-1)2+y2=1 and x2+y2=1.
7. Integrate
8. Integrate
9. Integrate
10. Integrate

CLASS-XII

HOME ASSIGNMENT FOR DIWALI AND CHHATH

PHYSICS

Q.1. Define electric field intensity and its S.I. unit. To calculate the electric field intensity at axial, equatorial and at any position due to electric dipole.

Q.2. Define electric flux and its unit. What is Gauss’s law and its applications.

Q.3. To solve board questions from question bank based on electric field, flux and Gauss’s law.

Q.4. Derive electric potential. To calculate potential at axial, equatorial and at any position due to electric dipole.

Q.5. Write Kirchoff’s law and its applications

Q.6. Write Biort-Savart law and Ampere’s Circuital law and its applications.

Q.7. Write Faraday and Lenz’s law and its applications.

Q.8. Write construction, function and theory of electric transformer and electric generator.

Q.9. Write principle, construction and magnification power of compound microscope and telescope. Write differences between refracting and reflecting type telescope.

Q.10. Write young’s double slit experiment, malus’law and also brewester law

**CLASS-XII SUB: BIOLOGY**

1. What is biotechnology? Explain the principles of biotechnology.

2. What are restriction enzymes? Explain their roles in recombinant DNA technology.

3. How is separation and isolation of DNA fragments done during biotechnology process?

4. Explain the process of recombinant DNA technology.

5. Write short notes on:

a. Cloning vectors b. Selective markers c. Bioreacter

6.Explain biotechnological applications in agriculture with an example.

7. What is gene therapy? How is biotechnology helpful in this process?

8. What is GEAC? Why is it being set up?

9. What are transgenic animals? Why are these animals being produced?

10. What is biopatent and biopyracy? Explain with example.

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

**Deepawali & Chhath HA 2019-20**

CLASS - XII – SUB - Economics

1. **State the meaning and components of money supply.**
2. **Explain the banker’s bank function of the central Bank.**
3. **How has the introduction of plastic money enhanced the convenience of both the depositor and the bank? Explain why.**
4. **Explain the consumption function with the help of schedule and diagram.**
5. **Economists are generally concerned about the rising MPS in an economy?Explain why?**

**Anyone**

**Project:-**

1. **Make a project report on unemployment in india.**

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

**3. Make a project report on PDS.**