CHEMISTRY

BOOKS - VGS PUBLICATION-BRILLIANT

MODEL PAPER 11

Section A

1. What is Boltzman's constant? Give its value.

Watch Video Solution

2. How many number of moles of glucose are present in 540 gms of glucose ?

 Watch Video Solution

3. What are intensive and extensive properties?

 Watch Video Solution

4. Give the equation that gives the relationship between ΔU and ΔH.

Watch Video Solution

5. Ice melts slowly at high altitudes. Explain Why?

Watch Video Solution

6. What is 'synthesis gas' ?

Watch Video Solution

7. What is 'producer gas' ?

Watch Video Solution

8. What happen when

CO_2 is passed through slaked lime

Watch Video Solution

9. What is Chemical Oxygen Demand (COD) ?

Watch Video Solution

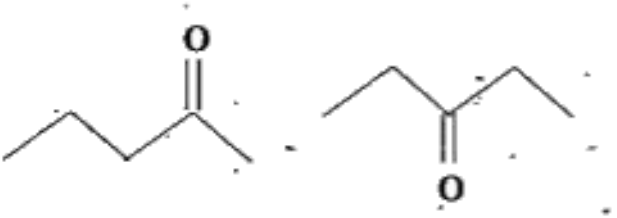
10. What is Biochemical Oxygen Demand (BOD) ?

Watch Video Solution

11. What is PAN ? What effect is caused by it ?

Watch Video Solution

12. Write the IUPAC names of: -



Watch Video Solution

Section B

1. State and explain Graham's law of Diffusion.

Watch Video Solution

2. A carbon compound contains 12.8% Carbon, 2.1% Hydrogen, 85.1% Bromine. The molecular weight of the compound is 187.9. Calculate the molecular formula.

Watch Video Solution

3. Discuss the application of LE Chatellier's principle for the industrial synthesis of Ammonia and sulphur trioxide.

Watch Video Solution

4. The reactants in the industrial method of preparation of diborane are

Watch Video Solution

5. Write a few lines about cement.

Watch Video Solution

6. Explain the structure of diborane.

Watch Video Solution

7. What is substitution reaction? Explain any two substitution reactions of benzene.

Watch Video Solution

8. Explain cryatallization and sublimation phenomena whilch are used in the purification

of organic compounds.

Watch Video Solution

Section C

1. What are the postulates of Bohr's model of hydrogen atom ? Discuss the importance of this model to explain various series of line spectra in hydrogen atom.

Watch Video Solution

2. Explain the construction of periods in Modern periodic table.

 Watch Video Solution

3. Explain the factors favourable for the formation of Ionic Compounds.

 Watch Video Solution

4. Explain the formation of Ionic Bond with a suitable example.

 Watch Video Solution