



CHEMISTRY

BOOKS - VGS PUBLICATION-BRILLIANT

MODEL PAPER 10

Section A

1. Define sink and receptor.



Watch Video Solution

2. Milk is



[Watch Video Solution](#)

3. What is Lewis acid? Give one example.



[Watch Video Solution](#)

4. Write any two important uses of caustic soda.



[Watch Video Solution](#)

5. Calculate kinetic energy of 5 moles of Nitrogen at $27^{\circ}C$.



[Watch Video Solution](#)

6. What are silicones ?



[Watch Video Solution](#)

7. What is the oxidation number of manganese in $KMnO_4$?



[Watch Video Solution](#)

8. Give examples and explain what is meant by external fertilisation?



[Watch Video Solution](#)

9. A and B are the compounds of carbon. A on passing over red hot coke is converted to B. A and B respectively are



[Watch Video Solution](#)

10. Depletion of ozone layer cause



[Watch Video Solution](#)

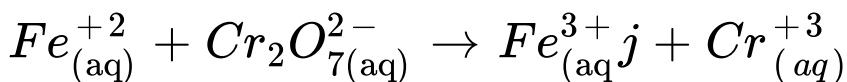
Section B

1. Deduce (a) Graham's law and (b) Daltons law from Kinetic gas equation.



[Watch Video Solution](#)

2. Balance the following equation in acid medium by Ion-electron method :



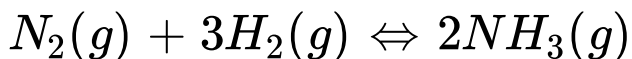
[Watch Video Solution](#)

3. State and explain the Hess's law of constant heat summation.



[Watch Video Solution](#)

4. Derive the relation between K_p and K_c for the equilibrium reaction.



[Watch Video Solution](#)

5. What causes the temporary and permanent hardness of water?



[Watch Video Solution](#)

6. Define sp^2 Hybridisation. Explain the structure of Ethylene (C_2H_4).



[Watch Video Solution](#)

7. State Fajan's rules, and give suitable examples.



[Watch Video Solution](#)

8. Explain the structure of diborane.



[Watch Video Solution](#)

Section C

1. What are the postulates of Bohr's model of hydrogen atom?



[Watch Video Solution](#)

2. What is a periodic property? How the following properties vary in a group and in a period? Explain

(a) IP.



[Watch Video Solution](#)

3. Write any two methods for preparation of benzene.



Watch Video Solution