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CBSE 12th Chemistry 2007 Unsolved Paper Outside Delhi

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Q.11. Distinguish between 'rate expression' and 'rate constant' of a reaction. 2 marks

Q.12. Write the dispersed phase and dispersion medium of the following colloidal system: 2 mark

- (i) Smoke
- (ii) Milk

OR

What are lyophobic and lyophilic colloids? Which of these sols can be easily coagulated on the addition of small amounts of electrolytes?

Q. 13. (a) Name the method used for removing gangue for sulphide ores.

(b) How is wrought iron different from steel. 2 marks

Q. 14. Give reasons for the following: 2 marks

- (i) Ethyl iodide undergoes S_N2 reaction faster than ethyl bromide.
- (ii) (\pm)-2-Butanol is optically inactive.
- (iii) C-X bond length in halobenzene is smaller than C-X bond length in $CH_3 - X$.

Q. 15. Account for the following: 2 marks

- (i) Schottky defects lower the density of related solids.
- (ii) Conductivity of silicon increases on doping it with phosphorus.

Q.16. Define the following terms: 2 marks

- (i) Lyophilic colloid
- (ii) Zeta potential
- (iii) Associated colloids

Q. 17. Explain glucose. What is the role of glucose (cane sugar) from Sucrose? 2 marks

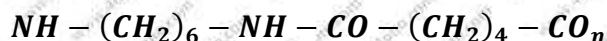
Q.18. Express the relation among the cell constant, the resistance of the solution in the cell the conductivity of the solution. How is the conductivity of a solution related to its molar conductivity? 2 marks

SECTION – C

Q.19. What are emulsions? What are there different types? Give one example of each type. 3 marks

Q. 20. (I) What is the role of t-butyl peroxide in the polymerization of ethene?

(ii) Identify the monomers in the following polymer:



(iii) Arrange the following polymers in the increasing order of their intermolecular forces: Polystyrene, Terylene, Buna-S. 3 marks



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