

Total Time: 3:00 Hours

Chemistry (10th)

Total Marks: 53

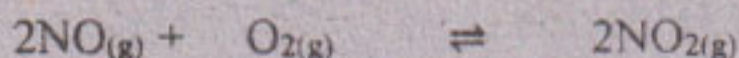
(Full Course)

Time Allowed: 2.40 Hours

"Section - B"Marks: 32

Q-2. Write short answers to any eight (8) of the following parts. All parts carry equal marks:-

- (i) Write the forward and reverse reaction of the following reversible reaction:-



- (ii) How would you identify that dynamic equilibrium is established?
- (iii) Justify H^+ ion as a Lewis acid?
- (iv) Calculate the pH of 0.2M solution of NaOH.
- (v) What are cycloalkanes? Give two examples.
- (vi) Compare the reactivity of alkane and alkene.
- (vii) Write down four uses of lipids.
- (viii) What are the adverse effects of global warming?
- (ix) Give four disadvantages of the detergents.
- (x) Enlist at least four (4) uses of Urea.
- (xi) What is slaked lime? How slaked lime is produced?

"Section - C"Marks: 21

Note: Answer any three (3) questions. All questions carry equal marks:-

- Q-3. (a) How can you predict the direction of reaction from KC value?
- (b) Discuss the concept of Lewis acids and bases with examples.
- Q-4. (a) List the different characteristics of organic compounds.
- (b) Write down the equations for the preparation of alkanes, alkenes and alkynes.
- Q-5. (a) What functions do carbohydrates perform in living organisms?
- (b) Explain ozone layer depletion.
- Q-6. (a) Make the distinction between soft and hard water.
- (b) Sketch the flow sheet diagram of the solvay process.