

ii. Give two characteristics of stratosphere. i. Write two physical properties of alkanes. iv. Write names of two fatty acids with their formulae. iii. Define Pollutants. vi. How is ozone layer being depleted by chlorofluorocarbons? v. How are proteins formed? vii. What do you know about hydrogenation of alkanes? Give an example. viii. Write chemical equation of oxidation of ethene with KMnO₄. 2x5=10 4- Write short answers of any five part from the following. ii. What is the principle of Solvay's process? i. What is cholera? iv. What is meant by non-biodegradable substances? iii. How is CO2 prepared for Solvay's process? Write any two uses of Urea. v. Define Gangue. vii. Why is the use of detergents increasing day by day? viii. How does water used as a cleaning agent in industries, cause pollution? 9x2 = 18Section -II Note: Answer any two questions from the following. 5. (a) Define an acid and a base according to Bronsted-Lowry concept and Justify with an example that 05 water is an amphoteric compound. 04 (b) Write two methods to prepare Alkane and explain it. 05 6. (a)Define functional group. Write functional groups of the following.

(b) What are carbohydrates? How are monosaccharides prepared? Give characteristics of monosacchrides.

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(b) Write four effects of water pollution.

04 05+04

(i) Alcoholic group (ii) Ether Linkage (iii) Aldehydic group (iv) Carboxyl group

7. (a)Define acid rain and write effects of acid rain.