**[Model Paper](http://www.result.pk)**

**[Chemistry (10](http://www.result.pk)[th](http://www.result.pk)[)](http://www.result.pk)**

**[Total Time: 3 Hours Max: Marks: 65](http://www.result.pk)**

**[Note:](http://www.result.pk)** **[There are THREE Sections of this Paper i.e. A.B and C, attempt each according to the given instructions.](http://www.result.pk)**

**[Time: 20 Minutes](http://www.result.pk)****[SECTION-A](http://www.result.pk)** **[Marks: 12](http://www.result.pk)**

**[Note:](http://www.result.pk)** [Attempt all parts of Section – A. Section –A must be return to the superintendent after 20 minutes](http://www.result.pk)

 [even if you have not attempted any question. Overwriting/ defacing/Cutting etc is prohibited in](http://www.result.pk)

[Section-A and no credit will be given to such answer.](http://www.result.pk)

**[I.                   Write the correct option i.e. A/B/C/D in the empty boxes.](http://www.result.pk)**

[i.           Molecule of chlorine do not decompose into atomic chlorine because Kc for this](http://www.result.pk)

[reaction Cl](http://www.result.pk)[2](http://www.result.pk) [ 2Cl is](http://www.result.pk)

[(A) Very large (B) Very Small (C) Zero (D) 1](http://www.result.pk)

[ii.         NH3 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

[(A) Acid (B) Base (C) Salt (D) Buffer Solution](http://www.result.pk)

[iii.       The Sum of PH and POH for neutral Solution is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) 7 (B) 14 (C) 5.6 (D) 9](http://www.result.pk)

[iv. Dehydration of ethyl alcohol with Conc. H](http://www.result.pk)[2](http://www.result.pk)[SO](http://www.result.pk)[4](http://www.result.pk) [results in the formation](http://www.result.pk)

 [of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Ethane (B) Methane (C) Acetylene (D) Ethene](http://www.result.pk)

[](http://www.result.pk)

[v.         The general formula for Alkenes is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) C](http://www.result.pk)[n](http://www.result.pk)[H](http://www.result.pk)[2n](http://www.result.pk)[O](http://www.result.pk)[n](http://www.result.pk) [(B) C](http://www.result.pk)[n](http://www.result.pk)[H](http://www.result.pk)[2n-1](http://www.result.pk) [(C) C](http://www.result.pk)[n](http://www.result.pk)[H](http://www.result.pk)[2n-2](http://www.result.pk) [(D) C](http://www.result.pk)[n](http://www.result.pk)[H](http://www.result.pk)[2n](http://www.result.pk)

[vi.       \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a factor related to blood clothing.](http://www.result.pk)

 [(A) Vitamin A (B) Vitamin B (C) Vitamin C (D) Vitamin K](http://www.result.pk)

[vii.     The major component of Stratosphere is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Ozone (B) Nitrogen (C) Oxygen (D) Carbon](http://www.result.pk)

[viii.   The chemical formula of magnetic oxide is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Fe](http://www.result.pk)[3](http://www.result.pk)[O](http://www.result.pk)[4](http://www.result.pk) [(B) Fe](http://www.result.pk)[2](http://www.result.pk)[O](http://www.result.pk)[3](http://www.result.pk) [(C) FeO (D) Fe](http://www.result.pk)[2](http://www.result.pk)[O](http://www.result.pk)[3](http://www.result.pk) [. H](http://www.result.pk)[2](http://www.result.pk)[O](http://www.result.pk)

[ix.       Chorine acts as bleaching agent in the presence of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) HCl (B) H](http://www.result.pk)[2](http://www.result.pk)[O (C) NaOH (D) HNO](http://www.result.pk)[3](http://www.result.pk)

[x.         Raw material used for manufacturing urea are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) CO](http://www.result.pk)[2](http://www.result.pk) [and NH](http://www.result.pk)[3](http://www.result.pk) [(B) H](http://www.result.pk)[2](http://www.result.pk) [and NH](http://www.result.pk)[3](http://www.result.pk) [(C) HCl and NH](http://www.result.pk)[3](http://www.result.pk) [(D) Non of these](http://www.result.pk)

[xi.       The homologous have the same \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) State (B) Color (C) Density (D) Chemical properties](http://www.result.pk)

[xii.     Fats and oils are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.](http://www.result.pk)

 [(A) Carbohydrates (B) Lipids (C) proteins (D) Vitamins](http://www.result.pk)

 **[Model Paper](http://www.result.pk)**

 **[Chemistry (10](http://www.result.pk)[th](http://www.result.pk)[)](http://www.result.pk)**

 **[Note:](http://www.result.pk)****[Time allowed for section B and C is 2 hours and 40 minutes.](http://www.result.pk)**

**[SECTION “B” Marks: 32](http://www.result.pk)**

[II.                Attempt any EIGHT Parts out of the following. Each Part carries equal marks.](http://www.result.pk)

[i. What is meant by equilibrium constant? Give its unit.](http://www.result.pk)

[ii. What are strong acids and strong bases? Give examples.](http://www.result.pk)

[iii. Describe neutralization reaction with examples.](http://www.result.pk)

[iv. How alkenes are prepared?](http://www.result.pk)

[v. Write briefly the composition of Nucleic acids.](http://www.result.pk)

[vi. What are the physical properties of Ozone.](http://www.result.pk)

[vii. Water is a universal Solvent. Briefly explain.](http://www.result.pk)

[viii. How sodium carbonate is commercially prepared.](http://www.result.pk)

[ix. Describe briefly bonding in protein molecule.](http://www.result.pk)

[x. What is meant by Global warming?](http://www.result.pk)

[xi. What are the physical properties of Alkanes.](http://www.result.pk)

 **[SECTION “C” Marks: 21](http://www.result.pk)**

**[Note: Attempt any THREE questions of the following. Each question carries equal Marks.](http://www.result.pk)**

**[III.](http://www.result.pk)** [(a) What are Salts? Give its types.](http://www.result.pk)

 [(b) What are the various concepts about acids and bases?](http://www.result.pk)

**[IV.](http://www.result.pk)** [(a) Give general characteristics of organic compounds?](http://www.result.pk)

 [(b) Write any two methods for preparation of Alkynes?](http://www.result.pk)

**[V.](http://www.result.pk)** [(a) Write balanced chemical equations for the chemical reaction of water with:](http://www.result.pk)

 [i. Cl](http://www.result.pk)[2](http://www.result.pk) [ii. Fe iii. C iv. NO](http://www.result.pk)[2](http://www.result.pk)

[(b) What do you mean by hard water? How hardness of water is removed?](http://www.result.pk)

**[VI.](http://www.result.pk)** [(a) Describe classification of carbohydrates?](http://www.result.pk)

 [(b) Write short note on the importance of Atmosphere?](http://www.result.pk)