

## Section-A

## (Multiple Choice questions)

Q No:1 Choose the correct answer for each from the given options:

(i) Molar mass of  $\text{H}_2\text{SO}_4$  is:

- (a) 98 a.m.u (b) 9.8 gm (c) 98 gm (d) 9.9 a.m.u

(ii) A piece of matter in pure form is termed as:

- (a) Radical (b) Mixture  
(c) Compound (d) Substance

(iii) Tendency of atoms to acquire eight electrons in their valence shell is:

- (a) Octet rule (b) duplet rule (c) Triplet rule (d) None of these

(iv) The strength of inter molecular forces from ionic or covalent bond is:

- (a) Weaker (b) stronger (c) equal (d) None of these

(v) If a proton number is 19, electron configuration will be:

- (a) 2,8,9 (b) 2,8,8,1 (c) 2,8,1 (d) 2,8,3

(vi) Example of heterogeneous mixture is:

- (a) Sugar and water (b) Sand and water  
(c) Salt and water (d) Ink and water

(vii) Which one is oxidizing agent:

- (a) Al (b)  $\text{H}_2\text{S}$  (c)  $\text{Cl}_2$  (d) NaH

(viii) Chlorine can be displaced by:

- (a) F (b) Br (c) I (d) At

(ix) Which rays are used for sterilization of medical instruments:

- (a)  $\alpha$ -rays (b)  $\beta$ -rays  
(c)  $\gamma$ -rays (d) X-rays

(x) The elements of VITA group are known as:

- (a) Lanthanide (b) Actinide (c) Halogens (d) Nobel Gases

(xi) The shielding effect across the period:

- (a) Increases (b) Decreases (c) Moderate (d) Same

(xii) Which of the following have sharp melting point in solid:

- (a) Plastic (b) Rubber (c) Glass (d) Diamond