

## 1. Choose the Best Answer :

8x1=8

- 1) What would be the IUPAC name for an element with atomic number 222?
- a) bibibium      b) bididium      c) didibium      d) ~~bibibium~~
- 2) The element with positive electron gain enthalpy is
- a) Hydrogen      b) Sodium      c) Argon      d) Fluorine
- 3) Assertion: Helium has the highest value of ionisation energy among all the elements known
- Reason: Helium has the highest value of electron affinity among all the elements known
- a) Both assertion and reason are true and reason is correct explanation for the assertion
- b) Both assertion and reason are true but the reason is not the correct explanation for the assertion
- c) Assertion is true and the reason is false
- d) Both assertion and the reason are false
- 4) Which of the following pairs of elements exhibit diagonal relationship?
- a) Be and Mg      b) Li and Mg      c) Be and B      d) ~~Be and Al~~
- 5) Which of the following orders of ionic radii is correct?
- a)  $H^- > H^+ > H$       b)  $Na^+ > F^- > O^{2-}$       c)  $F > O^{2-} > Na^+$       d) None of these
- 6) In which of the following options the order of arrangement does not agree with the variation of property indicated against it?
- a)  $I < Br < Cl < F$  (increasing electron gain enthalpy)
- b)  $Li < Na < K < Rb$  (increasing metallic radius)
- c)  $Al^{3+} < Mg^{2+} < Na^+ < F^-$  (increasing ionic size)
- d)  $B < C < O < N$  (increasing first ionisation enthalpy)