

DPP-07

Single Correct Type

More than One Correct Type

- 8.** Select the correct statement(s) about the silicates :

 - (A) The edges of tetrahedral SiO_4 units are never shared
 - (B) Si^{4+} may be replaced by Al^{3+} to give aluminosilicates
 - (C) Oxides ions form a closed packed array in which Si^{4+} occupy the tetrahedral holes.
 - (D) Strong Si – O bond having both ionic and covalent interactions

9. Select the correct statement(s)

 - (A) Double chain silicates are known as amphiboles
 - (B) In cyclic silicates two oxygen atoms per tetrahedron are shared
 - (C) orthosilicates certain discrete $(\text{SiO}_4)^{4-}$ units
 - (D) Asbestos mineral is a double chain silicate and mica is a sheet silicate

**Match the column****10.** Match the column**Types of silicates**

- (A) Pyrosilicates
- (B) Phyllo-silicates
- (C) Amphiboles
- (D) Neso-silicates

- (P) Crocidolite $\text{Na}_2\text{Fe}_3\text{Fe}_2\text{SiO}_2(\text{OH})_2$
- (Q) Thortveitite $\text{Sc}_2(\text{Si}_2\text{O}_7)$
- (R) Phenacite $\text{Be}_2[\text{SiO}_4]$
- (S) Kaolinite $\text{Al}_2(\text{OH})_4[\text{Si}_2\text{O}_5]$





ANSWER KEY

1. D 2. C 3. C 4. A 5. D 6. A 7. A
8. ABCD 9. ABCD 10. [A - Q , B - S , C - P , D - R]

