

Ques-5 which of the following statements are correct?

- <a> Fullerenes have dangling bonds
- Fullerenes are cage-like molecules
- <c> Graphite is thermodynamically most stable allotrope of carbon.
- <d> Graphite is slippery and hard and therefore used as a dry lubricant

Solution- , <c>

Fullerenes are cage-like (soccer or rugby ball) molecules and graphite is thermodynamically most stable allotrope of carbon.

Thus options and <c> are correct.