Week 3 Assignment 1

Due on 2018-02-14, 23:59 IST

1. What do you mean by ‘facies’ in BIF? Briefly state the different facies of BIF and correlate them with their environment of formation. [2 Points]

2. Discuss the possible sources of Iron for the BIF, in brief. [2 Points]

3. What do you think, caused the mesobanding of Iron oxide and silica in BIF? [2 Points]

4. Discuss the causes of variable textures observed in Bauxite ores. [2 Points]

5. What are the controlling physicochemical parameters for formation of bauxite deposits? Add a note on possible source rocks for bauxite formation. [2 Points]

6. Pyrite, gold and quartz accumulate together in a conglomerate. How do you explain this if the deposition was from a flowing water? [2 Points]

7. In Witwatersrand-type paleoplacer deposits, there are specific local scale features where gold accumulates. What are those features? [2 Points]

8. What is ‘gossan’ and how do they form? [2 Points]

9. What are the necessary precondition for a metal sulfide ore body to give rise to secondary sulfide enrichment? [2 Points]

10. Why is it important to study morphology of ore deposits? [2 Points]

11. How do you distinguish if the minerals in a hydrothermal ore body are deposited as fracture filling or replacement process? [2 Points]

12. Why do we get mineralization in the form of ore bodies of variable dimension and geometry in brittle deformation zone in the crust. Give two examples. [2 Points]

13. Give an idea about development of mineralization with progressive shearing. [2 Points]

Due Date Exceeded.
As per our records you have not submitted this assignment.