Week 9 Assignment 1

1. What is the difference between Induced magnetisation and Remnant magnetisation? [2 points]
2. Define ‘Peter’s half slope method’ and why is it used? [2 points]
3. Demonstrate ‘Depth Rule’ in gravity profiling assuming a spherical shaped ore body in the sub surface? [2 points]
4. Why and how is ‘Mise-a-la-masse’ method used in resistivity profiling of geophysical survey? [2 points]
5. What do you mean by ‘Mineral Potential Mapping’? [2 points]
6. Give a brief idea on basic concepts of ‘Weight of Evidence’ method? [2 points]
7. Note down the factors on which success of a ‘Mineral Potential Mapping' programme depends? [2 points]
8. Write down different stages followed sequentially for data acquisition in a systematic mineral deposit evaluation? [2 points]
9. What are the possible shortcomings when a group of data are averaged to produce ore estimates? [2 points]
10. If you gradually increase the cut-off grade of an ore, what will be the effect on its tonnage, strip ratio, operating cost and total reserve? [2 points]
11. Differentiate included and excluded area methods of ore reserve estimation? [2 points]
12. Explain basic principles of Inverse Distance Weighing (IDW) algorithm? [2 points]

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