Week 8 Assignment 1

1. What are the basic principles of gravity and magnetic methods of mineral exploration. [2 points]
2. Give an account of the transmission spectra of the atmosphere in relation to remote sensing. [2 points]
3. Discuss briefly about the relationship between spectral characteristics of vegetation and sedimentary rock. [2 points]
4. What are Red edge, red shift, and blue shift? Add a note on the reflectance characteristics of vegetation depending upon mineral enrichment of the area. [2 points]
5. Write-down step by step process that is followed to select a target for diamond exploration. [2 points]
6. What are indicator minerals? Give example of one indicator mineral for diamond exploration, giving its chemical characteristics. [2 points]
7. Based on the accepted genetic model of VMS deposit, discuss the strategy of exploration of these deposits beginning from larger geodynamic environment to individual deposit environment. [2 points]
8. What are primary and secondary dispersio? Discuss by citing some examples. [2 points]
9. Give a brief account of stream sediment survey in combination with indicator minerals as an effective exploration method for diamondiferous kimberlite. [2 points]
10. What is the difference between insitu and transported overburden? State their importance in mineral exploration. [2 points]
11. Discuss the importance of understanding the soil profile in geochemical exploration and discuss the intricacies involved in interpretation of geochemical anomaly in actual delineation of subsurface ore bodies. [2 points]
12. Discuss briefly about the Orientation survey. Add a note on needs and types of orientation survey. [2 points]

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