Week 7 Assignment 1

1. What are the host rock characteristics and different stages of mineralisation in Rajpura – Dariba region? [2 points]
2. Give a brief idea on the occurrence of diamond with reference to host rock and the mode of occurrence. Briefly discuss the origin of diamond in such rocks. [2 points]
3. Mention three important types of Uranium deposits with their characteristics and broad geological period of formation in India, giving one example from each type. [2 points]
4. Mention the important specialties of mineral resources as compared to other earth resources. What are the prerequisites for formulation of an exploration programme? [2 points]
5. Briefly state the materials and methods in the reconnaissance and detailed survey stages of mineral exploration. [2 points]
6. Explain the basis of McKelvey's Box of classification of mineral resources and define the terms used. [2 points]
7. Describe briefly about UNF classification. Add a note on the requirement of such a classification while there were many other established classifications. [2 points]
8. Briefly state the economic considerations for exploration of mineral resources. Give an outline of the different stages of exploration of mineral resources. [2 points]
9. What is Hoteling rule and what is applicability to exploitation of mineral resources? [2 points]
10. Give one example each from ‘physiographic’ and ‘structural’ guides for mineral exploration. [2 points]
11. What is a geochemical anomaly? What factors are responsible for the nature and intensity of such anomalies? [2 points]
12. 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]

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