

Set A

Sl. No. of Question Paper	:	
Unique Paper Code	:	32191501
Name of the Course	:	B. Sc. Hons. Geology
Name of the Paper	:	Economic Geology
Semester	:	V
Duration : 3 Hrs		Maximum Marks : 75

Attempt any four questions. All questions carry equal marks.

1. How the different magmatic differentiation processes give rise to the concentration of ore mineral deposits? Explain with diagrams and examples.
2. Taking examples of two types of ores explain why supergene processes are very important for formation of their deposits?
3. Write the characteristics features of the following textures of the ore minerals:
Boxwork texture; Chalcopyrite disease; Schlieren texture; Cumulate texture; Foam texture
4. What do you mean by metallogenic provinces and epochs, explain with Indian and worldwide examples?
5. What are the characteristics of the porphyry type copper deposits? How do alterations play an important role in formation of Porphyry type copper deposits?
6. What are the main objectives and principle of Geophysical surveys? Which geophysical surveying method is most appropriate in exploring the following mineral commodities:
Chromite deposits, Uraninite and Pitchblende deposits, disseminated copper deposits#