

Instructions to candidates

Duration: 01 hour

Number of questions: Essay (3) questions

Answer all questions

Mark allocation: 150

Illustrate your answers with sketches/diagrams where necessary

1. Compare and contrast following.
 - a. Industrial Mineral and Ore Mineral (12.5 mark)
 - b. Concordant and Discordant deposits (12.5 mark)
 - c. Chemical precipitation and Supergene enrichment (12.5 mark)
 - d. Primary and Secondary mineral deposits (12.5 mark)

2.
 - a. What is hydrothermal solution? (25 mark)
 - b. What are the major sources of hydrothermal solution and transportation mechanism of them? (25 mark)

3. Write short notes on followings.
 - a. Abrasive (25 mark)
 - b. Decorative stone (25 mark)

