

Instructions to candidates

Duration: 01 hour

Number of questions: Essay 03

Number of questions to be answered = 02

Mark allocation: 100

Illustrate your answers with sketches/diagrams where necessary

1.
 - a. What is the purpose of using gemstones? (25 mark)
 - b. Describe the terms: Chatoyancy and Asterism, giving examples for each of these phenomena. (25 mark)
2.
 - a. Describe the following types of gem materials and give relevant examples. (25 mark)
 - i. Organic gem materials
 - ii. Inorganic gem materials
 - b. Give an outline of the classification of gem deposits in Sri Lanka? (25 mark)
3.
 - a. Define the term 'Mineral' and explain why most minerals occur in geometric forms. (25 mark)
 - b. With the aid of a diagram, draw and describe the common crystal forms of Diamond, Corundum and Tourmaline. (25 mark)

