

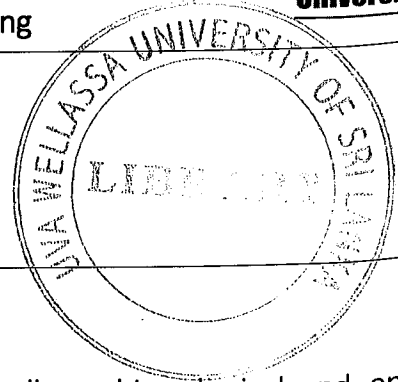
Instructions to candidates

Duration: Two (2) hours

Number of questions: Four (4)

Answer all the questions

Mark allocation: 100 Marks



1. A gem cutter should have an understanding of the crystallographic, physical and optical properties of a gem to expose the optimum beauty on cutting and polishing different species and varieties of gems. Giving suitable examples, explain why it is so important. [20 Marks]

2. What are the advantages and disadvantages of the methods of traditional gem cutting and polishing methods compared to modern cutting and polishing methods? [20 Marks]

3. With the aid of a diagram describe the following styles of gem cutting.
 - a. Rose cut
 - b. Single brilliant cut
 - c. Double brilliant cut[30 Marks]

4. Describe the sequence of faceting the standard brilliant cut with the aid of a diagram. [30 Marks]