

Uva Wellassa University, Sri Lanka
End Semester Examination – Aug./Sep. 2011



MRT 316-1 Gemmology

Time: One (01) hour

Total four (04) questions
Answer **all** questions

1. Provide concise answers to following questions.

- a) What is gemmology?
- b) What is the difference between an "organic" and an "inorganic" gem?
- c) What is meant by the terms "precious" and "semi-precious" gemstones?

(25 marks)

2. Give a detailed account on the formation of gemstones in the earth's crust.

(25 marks)

3. Write short notes on the following.

- a) Cause of colour in gemstones
- b) Assessing the durability of a gem
- c) Use of crystallography for gem identification

(25 marks)

4. Describe how the absorption spectra seen in gemstones are used to identify the colouring element.

(25 marks)