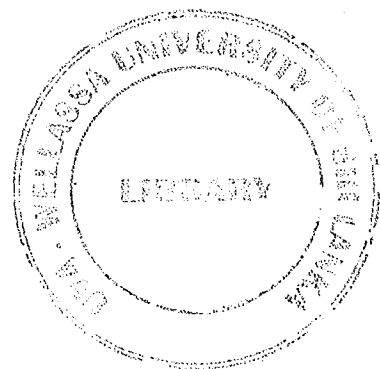


Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Science and Technology
300 Level 1st Semester Examination – May/June 2017
MRT 312-2 Genesis of Mineral Deposits



Part B

Use Separate answer book to answer following questions

Answer two (02) questions

1. " Gem deposits of Sri Lanka were formed by a wide spectrum of geological events operated over the geological history". Explain this statement with examples. (50 mark)

2. Write short notes on following.
 - a. Pegmatites (25 mark)
 - b. Secondary Mineral Deposits (25 mark)

3.
 - a. What is hydrothermal solution? (05 mark)
 - b. Describe how hydrothermal solutions form and transport within rocks. (35 mark)
 - c. Discuss the occurrence of mineral deposits fomed by the hydrothermal activity in Sri Lanka. (10 mark)