

Uva Wellassa University, Sri Lanka
Faculty of Science and Technology
Mineral Resources and Technology Degree Programme
1st Semester Examination – March/April 2013



MRT 472-1 – Petroleum Resources
-Repeat Only-

Total four (04) questions
Answer **all** questions
Time allocation: One (01) hour
Total marks: 100
Illustrate your answers with sketches where necessary

1. Describe in detail how oil and natural gas are formed in the earth. What are the major requirements for their accumulation?
(25 marks)

2. Discuss Sri Lanka's potential of offshore oil and natural gas deposits. Support your answer with findings of recent surveys.
(25 marks)

3. Using appropriate examples explain how seismic sections of sedimentary basins could be used in petroleum exploration.
(25 marks)

4. Write short notes on the following.
 - a. Chemistry of crude oil
 - b. Types of natural gases
 - c. Types of logs used in petroleum industry
 - d. Enhanced recovery techniques
 - e. Use of fossil fuels and challenges ahead
(25 marks)