



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree

Third Year – Semester II Examination – October/November 2014

CHE 3104- PETROLEUM CHEMISTRY

Answer all questions

Time: One hour

1. a). Explain the exploration and production of oil traps and reservoir rocks.

[20 marks]

- b). Describe the similarities and the differences among drilling by cable tool system, rotary drilling and turbo drilling. Give the advantages or disadvantages if there are any.

[15 marks]

- c). What are Tar sands?. Explain the recovery of petroleum from Tar sands.

[15 marks]

2. a). What is oil refining ? Explain in detail.

[25 marks]

- b). Explain the chemistry of catalytic cracking in detail with relevant chemical reactions

[15 marks]

- c). Describe the waste disposal methods in detail related to petroleum refinery

[10 marks]

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