

THE OPEN UNIVERSITY OF SRI LANKA
M.A. IN TEACHER EDUCATION - PART II
FINAL EXAMINATION 2006
ESP 2264 – SCIENCE EDUCATION
DURATION: THREE (03) HOURS



DATE: 02nd March 2006

TIME: 10.00 a.m. – 1.00 p.m.

Answer Three Questions only. Each answer should be given in a Separate Book.

01. State the main steps of the scientific method.
What are the skills required for the application of scientific method?
Explain how scientific knowledge can be generated in primary school children.
02. “Science is a process and a quest for knowledge” Comment giving specific examples.
03. Discuss the importance of scientific and technological literacy in a knowledge-based society in facing problems such as poverty, energy shortage and environmental pollution.
04. Discuss the strengths and weaknesses of the Junior Secondary Science and Technology curriculum. Make your suggestions to overcome the weaknesses and enhance the strengths.
05. “The integrated approach in science education is a boon to all concerned” Comment.
06. “Concept mapping is a useful strategy in pedagogy” Discuss with examples at least five uses of concept mapping in the context of science education.

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