



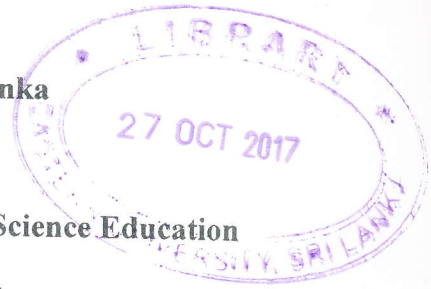
Eastern University, Sri Lanka

Faculty of Science

First Semester Examination in M.Sc. in Science Education

2013/2014 (March 2016)

MSED 2505: Approach to Science Teaching and Learning



Answer all questions

Time: 02 hours

1. a) State the main aims of teaching science in schools. (13 marks)
- b) Choose two of these aims, and explain giving examples, how these could be achieved through teaching science in the secondary classes (12 marks)
2. Explain briefly the major characteristics of effective science instruction under the following headings:
 - a) Lesson characteristics (10 marks)
 - b) Characteristics of student behaviour (06 marks)
 - c) Characteristics of Teacher behaviour (09 marks)
3. Write a lesson plan in the 5E model to teach a specific topic from the science syllabus of a secondary class (25 marks)
4. Write notes on the following with regard to teaching of science in schools:
 - a) Demonstration
 - b) Formal laboratory work
 - c) Guided discovery approach
 - d) Role of teacher as a facilitator
 - e) Selection of teaching aids

(5 × 5 = 25 marks)

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