

BACHELOR OF EDUCATION

Term-End Examination

December, 2007

ES-341 : TEACHING OF SCIENCE

Time : 3 hours

Maximum Weightage : 70%

Note :

- (i) All the **four** questions are compulsory.
 - (ii) All the questions carry equal weightage.
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1. Answer the following question in about 600 words.

Justify the place of Science in Secondary school curriculum in view of aims and objectives of teaching Science at Secondary level.

OR

What is inquiry approach ? Discuss its advantages, disadvantages and use of this approach for teaching of Science at Secondary level.

2. Answer the following question in about 600 words.

Identify the main teaching points, formulate corresponding objectives in behavioural terms and explain the teaching-learning process that you will follow while teaching any **one** of the following topics at Secondary level :

- (i) Magnetic effect of current
- (ii) Chemical bonding

3. Write notes on any **five** of the following in about 120 words each :

- (i) Nature of Science as a process
- (ii) Laboratory method
- (iii) Monitoring of learner's progress in Science
- (iv) Science education in India
- (v) Teaching of Allotropy
- (vi) Teaching of Meiosis
- (vii) Teaching of Second Law of Motion
- (viii) Planning of Science Laboratory

4. Answer the following question in about 600 words.

While teaching Science at Secondary level, you must have taught some topics through project method. Mention that topic and explain the various steps involved in carrying out the project. Write the project report.