

BACHELOR OF EDUCATION

Term-End Examination

June, 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. Give suggestions for the modification of methods of teaching as well as evaluation being used currently for teaching science at secondary level.

OR

Distinguish between assessment and evaluation. What are the important steps of test construction? Describe the main points to be considered when setting a science theory paper.

- 2.** Answer the following question in about 600 words.

Identify the main teaching points, formulate corresponding

objectives in behavioural terms and explain teaching-learning process that you will follow while teaching any **one** of the following topics at secondary level :

- (i) Hydrocarbon
- (ii) Origin of the Universe

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

- (i) Project method of teaching science
- (ii) A good lesson plan
- (iii) Essay type tests
- (iv) Maintenance of laboratory equipment
- (v) Diagnostic tests and remedial measures
- (vi) Teaching of laws of motion
- (vii) Teaching of modern periodic table
- (viii) Teaching of nutrition and health

4. Answer the following question in about 600 words.

Why is a science laboratory essential for teaching science in secondary schools ? How will you plan, organise and maintain an effective science laboratory in your school ? What safety measures are needed in the laboratory ?