

THE OPEN UNIVERSITY OF SRI LANKA

FACULTY OF EDUCATION

BACHELOR OF EDUCATION HONOURS IN NATURAL SCIENCES

DEGREE PROGRAMME – 2022/2023 – LEVEL 06

FINAL EXAMINATION – 2023

STU6311 – CURRICULUM, THEORY AND PRACTICE

DURATION – THREE (03) HOURS



Date: 20.11.2023

Time: 1.30 p.m. – 4.30 p.m.

Answer All Questions in Part I and any three (03) questions from Part II.

**PART - I**

01. Define the term curriculum.
02. Briefly explain modern idea of curriculum.
03. What is the role of the teacher who implementing the school curriculum? Briefly explain.
04. Briefly explain the vertical and horizontal curriculum integration in science/mathematics subjects.
05. Briefly explain about the concept of STEM education.
06. What is the need of considering social perspective for developing a school curriculum. Briefly explain with the **two (02)** examples.
07. Evaluate the role of the school principal for the Curriculum Management.
08. State **three (03)** main aims of 1972 Curriculum Reform.

(5 x 8 = 40 marks)

**PART - II**

09. i. List out at least **two (02)** skills that should be developed among students in the 21<sup>st</sup> century. (04 marks)
- ii. Do you think that the current science/Maths curriculum in our country plays a role in fostering creativity and innovation skills among students? Briefly explain. (08 marks)
- iii. Propose effective strategies to cultivate 21<sup>st</sup> century skills among students through the Science/Maths curriculum? (08 marks)

10. i. Briefly explain the concept of curriculum development. (06 marks)
- ii. Name at least **three (03)** curriculum development models and briefly explain the steps involved in any one of them. (06 marks)
- iii. Examine good features and weaknesses of the selected curriculum development model. (08 marks)
11. i. 'School education should address societal needs'.  
Proof the above statement citing **two (02)** appropriate examples. (08 marks)
- iii. Examine how the Maths/Science teacher should response for the societal needs through his or her subject area. (12 marks)
12. i. Name **two (02)** curriculum development approaches. (04 marks)
- ii. Select one of them and discuss fundamental features, importance and weaknesses. (08 marks)
- iii. Examine role of the curriculum development approaches for organizing Maths/Science curriculum. (08 marks)
13. i. State difference between 'Aims' and objective of a curriculum. (04 marks)
- ii. What are the factors to be considered when developing objectives for the Maths/Science curriculum. (08 marks)
- iii. State **three (03)** suitable evaluation methods for your student's performance. Discuss **three (03)** problems when using those mentioned evaluation methods. (08 marks)