

# WOMEN'S UNIVERSITY IN AFRICA



*Addressing Gender Disparity and Fostering Equity in University Education*

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**FACULTY OF SOCIAL AND GENDER TRANSFORMATIVE SCIENCES**

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**BACHELOR OF EDUCATION DEGREE IN EARLY CHILDHOOD DEVELOPMENT**

**PRE-SERVICE  
IN-SERVICE**

**MAIN PAPER**

**ECD 215: TEACHING SCIENCE CONCEPTS**

**INTAKES 7 & 18: SECOND YEAR FIRST SEMESTER**

**DATE: DECEMBER 2020 TIME: 2 HOURS**

## **INSTRUCTIONS TO CANDIDATES**

1. Answer any **two** questions.
2. All questions carry equal marks.

**Question 1**

Discuss the philosophy of teaching science concepts at Early Childhood Development (ECD) level in Zimbabwe.

**Question 2**

Explore any five tenets of the nature of scientific knowledge.

**Question 3**

Design five activities for each of the following process-skills in Science:

- a) Classifying;
- b) Measuring; and
- c) Interpreting data.

**Question 4**

Discuss the relevance of Ausubel's Theory of Meaningful Learning to the teaching and learning of science concepts at ECD level.

**Question 5**

Discuss the Inductive Method of teaching Science using Bacon's ideas.

**END**