

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

EXAMINATION FOR THE AWARD OF DIPLOMA IN EDUCATION (PRIMARY OPTION)

PECI 0122: INTRODUCTION TO SCIENCE AND AGRICULTURE

STREAMS: DIP. EDUC (P)

DAY/DATE: WEDNESDAY 21/7/2021

TIME: 2 HOURS

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- Answer question ONE and any other TWO
- Do not write on the question paper

QUESTION ONE

- (a) Elaborate three methods of land clearing [3 marks]
- (b) Describe four characteristics of living things [12 marks]
- (c) Explain the functions of the five external parts of a plant [15 marks]

QUESTION TWO

- (a) Describe four influence of soil pH on crop production [8 marks]
- (b) Discuss four factors that affect selection of planning materials [12 marks]

QUESTION THREE

- (a) Briefly describe the water cycle [5 marks]
- (b) Discuss five factors that affect soil formation [15 marks]

QUESTION FOUR

- (a) Evaluate four methods used in separating components of mixtures [12 marks]
- (b) Discuss on the following forms of energy mentioning where they are applicable [8 marks]
- (i) Magnetic energy
- (ii) Sound energy