



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

**A. M. E. C. E. A**

P.O. Box 62157  
00200 Nairobi - KENYA  
Telephone: 891601-6  
Fax: 254-20-891084  
E-mail: academics@cuea.edu

**MAIN EXAMINATION**

**MAY – JULY 2019 TRIMESTER**

**FACULTY OF SCIENCE**

**DEPARTMENT OF BIOLOGY**

**REGULAR PROGRAMME**

**BIO 100: GENERAL BIOLOGY**

**Date: JULY 2019**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer Question ONE and any other TWO Questions**

- Q1. a) State six functions of plant's cell wall (6 marks)
- b) Describe five themes in the study of biology (5 marks)
- c) Distinguish between the following terms:-  
i) Cohesion and adhesion (2 marks)  
ii) Population and community (2 marks)
- d) Citing examples, briefly describe any five tissues (5 marks)
- e) Explain five importance of water in living systems (5 marks)
- f) Outline five characteristics of Arthropods (5 marks)
- Q2. Compare and contrast prokaryotic and eukaryotic cells (20 marks)
- Q3. Citing examples, discuss functions of mineral salts (20 marks)
- Q4. Discuss the functions of fats and oils (20 marks)
- Q5. Discuss the naming, classification and properties of enzymes (20 marks)

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