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CHUKA



UNIVERSITY

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**UNIVERSITY EXAMINATIONS**

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE(SC,AGED,AGRI,HORT,NARE,WILDLIFE)**

**BOTA 101: GENERAL BOTANY**

**STREAMS: B.ED.(SC),BSC(AGED,AGRI,HORT,NARE,WIEM) Y1S1**

**TIME: 2 HOURS**

**DAY/DATE: THURSDAY 13/12/2018**

**8.30 A.M – 10 .30 A.M**

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**INSTRUCTIONS**

- **Answer all questions in section A and any other TWO questions un section B**
- **Do not write anything on the question paper**
- **Use illustrations where appropriate to enhance your answers**

**SECTION A**

- (a) Name the classes that constitutes the phylum Bryophyta. [3 marks]

(b) Explain why bryophytes are referred to as amphibian plants. [2 marks]
- (a) Explain the meaning of chemo-organotrophism and name a taxon of organisms to exemplify them. [3 marks]

(b) Explain how the photobiont and mycobiont benefit from each other in their association. [2 marks]
- (a) Name any three gymnosperm phyla. [3 marks]

(b) Describe three gymnosperm groups as classified basing on external morphology. [3 marks]
- (a) Illustrate the domains of kingdom Monera. [1 mark]

(b) Describe two groups of one these domains classified on the basis of their habitats.

[4

marks]

5. Briefly describe the nutrition of algae. [5 marks]
  6. Explain briefly the involvement of the various branches of Economic Botany. [5 marks]
  7. Write an essay on the classification of angiosperms. [20 marks]
  8. Discuss the movement of materials in plants. [20 marks]
  9. Discuss the economic importance of pteridophytes. [20 marks]
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