



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2017/2018 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATION  
FOR  
THE DEGREE OF BACHELOR OF EDUCATION SCIENCE**

**BOT 1204: SURVEY OF PLANT KINGDOM**

**DATE: 2<sup>ND</sup> MAY, 2018**

**TIME: 1430 - 1630 HRS**

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## **INSTRUCTIONS TO CANDIDATES**

- (a) Select ONLY TEN Questions (7 marks each)**
- (b) Illustrate your answers with well labeled diagrams where appropriate**

**ANSWER ANY TEN QUESTIONS (7 MARKS EACH)**

1. Describe any four types of modified roots in plants. **(7marks)**
2. Briefly explain the four main aspects that plant taxonomy deals with. **(7marks)**
3. Briefly describe any four illegitimate names rejected in nomenclature of plants. **(7marks)**
4. Enumerate any seven importance of Plant Taxonomy. **(7marks)**
5. a) Distinguish between artificial and Natural systems of classification **(4marks)**  
b) What is a '**type**' specimen as used in nomenclature? **(3marks)**
6. Briefly explain the descriptive value of leaves in plant identification. **(7marks)**
7. State any seven salient features of the International Code of Botanical Nomenclature (ICBN). **(7marks)**
8. a) Illustrate leaf phylotaxy in plants. **(3marks)**  
b) Briefly describe the seed structure. **(4marks)**
9. Briefly describe the methods of ensuring long life span of herbarium specimen. **(7marks)**
10. State any seven differences between angiosperms and gymnosperms **(7marks)**
11. Briefly describe the aestivation in the perianth of flowers **(7marks)**
12. a) What are infraspecific units in classification? **(2marks)**  
b) Describe the nature of spores produced by pteridophytes. **(5marks)**
13. Outline the importance of gymnosperms in nature. **(7marks)**
14. Explain the influence of any four environmental factors on growth of plants **(7marks)**
15. Briefly describe the types of union in stamens or staminoides in flowers. **(7marks)**

**END//**