



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER EXAMINATIONS
FOR
THE DEGREE OF BACHELOR OF SCIENCE
(BOTANY)**

**COURSE CODE: BOT 4123E
COURSE TITLE: ECONOMIC BOTANY**

DATE: 2ND DECEMBER, 2019

TIME: 1430-1630HRS

Instructions

Answer **ALL** questions in section **A** and any other **TWO** selected from section **B**. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A (30 MARKS): ANSWER ALL QUESTIONS

1. Give the relationship between economic botany, ethnobotany, forestry, horticulture and agriculture. **(3 mks)**
2. Highlight three beverage plants grown in Kenya and give their general characteristics. **(3 mks)**
3. Give three reasons why crossing crops with wild relatives is beneficial. **(3 mks)**
4. Describe the industries that are supported by *Triticum aestivum*. **(3 mks)**
5. State three features possessed by seeds that make them good sources of food. **(3 mks)**
6. Give six oil-producing crops. **(3 mks)**
7. Differentiate between spices and herbs. **(3 mks)**
8. Describe six fiber-producing plants. **(3 mks)**
9. Give reasons why you think Marijuana (*Cannabis sativa*) should or should not be legalized in Kenya. **(3 mks)**
10. Why is the 'Neem tree' considered the village pharmacy? **(3 mks)**

SECTION B (40 MARKS): ANSWER ANY TWO QUESTIONS

11. Discuss how the study of Economic Botany can be used to achieve the Big Four agenda of President Uhuru Kenyatta. **(20 mks)**
12. Discuss origin, historical development and economic importance of coffee. **(20mks)**
13. Discuss in great detail, the industrial, environmental and agricultural significance of indigenous and exotic trees. **(20 mks)**
14. Discuss in detail ten endangered plant species in Kenya, indicating their causes, status and conservation. **(20 mks)**

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