



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF BIOLOGICAL AND PHYSICAL SCIENCES
UNIVERSITY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE
IN BIOLOGICAL SCIENCES
4th YEAR 2nd SEMESTER 2019 /2020 ACADEMIC YEAR
MAIN CAMPUS - REGULAR

COURSE CODE: SBI 3422
COURSE TITLE: MEDICINAL AND POISONOUS PLANTS
EXAM VENUE: STREAM: (BSc BIO)
DATE: EXAM SESSION:
TIME: 2 HOURS

Instructions: 1. Answer ALL questions in Section A and ANY TWO questions from Section B
2. Candidates are advised not to write on the question paper
3. Candidates must hand in their answer booklets to the invigilator while in the examination room

SECTION A: SHORT ANSWER QUESTIONS (30 MARKS)

1. Distinguish between hydrotherapy and chromotherapy (3 marks)
2. Name one poisonous fungi and any two medicinal fungi (3 marks)
3. Explain your understanding of traditional medicine (3 marks)
4. Name three broad categories into which drug plants are normally classified (3 marks)
5. Explain who a traditional healer is (3 marks)
6. State three factors that determine occurrence of chemical constituents of drug plants (3 marks)
7. In your understanding explain how does plant poisoning occur (3 marks)
8. State one major factor that tends to bring herbal medicine into disrepute. (3 marks)
9. Define and explain mode of action of toxalbumins. (3 marks)
10. Name three plants which are rich in alkaloids. (3 marks)

SECTION B: ESSAY QUESTIONS (40 MARKS)

11. Give an account of preparation of drug plants in Kenya. (20 marks)
12. Discuss oils and fats as constituents of drug plants. (20 marks)
13. Discuss positive and negative aspects of traditional medicine. (20 marks)
14. Nature therapy is slowly gaining in popularity. Justify this statement. (20 marks)