



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY**

**SCHOOL OF BIOLOGICAL AND PHYSICAL SCIENCES**

**UNIVERSITY SPECIAL EXAMINATION FOR THE DEGREE OF BACHELOR OF  
EDUCATION SCIENCE AND BACHELOR OF BIOLOGICAL SCIENCES**

**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2019/2020 ACADEMIC YEAR**

**MAIN CAMPUS - REGULAR**

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**COURSE CODE: SBT 102**  
**COURSE TITLE: SURVEY OF PLANT KINGDOM**  
**EXAM VENUE: STREAM: (BSC BIOLOGICAL SCIENCES/B.ED SCIENCE )**  
**DATE: EXAM SESSION:**  
**TIME: 2 HOURS**

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**Instructions:**

**Answer ALL questions in Section A and Any two questions in Section B**

**Candidates are advised not to write on question paper**

**Candidates must hand in their answer booklets to the invigilator while in the  
examination room**

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**SECTION A: (Compulsory Questions)****(30 Marks)**

1. What do you understand by “alternation of generations in plants”? (3 marks)
1. Should Bryophytes be confined to wet areas? Justify your response (3 marks)
2. List three distinguishing features between Angiosperms and Gymnosperms (3 marks)
3. State and describe briefly the mode of nutrition in fungi (3 marks)
4. State three reasons why Pteridophyta are classified as tracheophytes together with Gymnosperms (3 marks)
5. Describe three features of Eukaryotes (3 marks)
6. Describe three ways by which Bacteria are of economic importance to man (3 marks)
7. Pteridophytes differ from higher plants. Briefly explain (3 marks)
8. Give any three features possessed by higher plants that lower plants such as liverworts lack (3 marks)
9. State why is Chlorophyta are considered to be the possible ancestors of higher plants? (3 marks)

**SECTION B: (Essay Questions)****(40 Marks)**

10. Discuss the economic importance of Bryophytes (20 marks)
11. Compare and contrast the life cycles of the moss and liverwort plants. Use illustrations where necessary. (20 marks)
12. Give an account of describe the characteristics the kingdom Protista (20 marks)
13. Discuss the economic importance of the fungi (20 marks)