

KISII UNIVERSITY
SCHOOL OF PURE AND APPLIED SCIENCES
BSLT 100: PLANT AND ANIMAL TAXONOMY
SPECIAL EXAMINATION

Answer question one which is compulsory and any other three

Question One

- i. Algae reproduce by vegetative, asexual and sexual methods, using examples explain the meaning of the following terms (3mks)
- ii. Differentiate between Anisogamous and Oogamous giving an example of the organism which undergo the above fusions (2mks)
- iii. Gymnospermatophyta and Angiospermatophyta are the two main subdivisions of spermatophyta. State the three different characteristics among them. (3mks)
- iv. Discuss the old methods of flower preservation (7mks)
- v. Phylum Platyhelminthes is divided into three classes. Discuss (6mks)
- vi. State four general characteristics of phylum porifera(4mks)

Question Two

- i. Discuss the three distinctive characteristics of the chordates (15mks)

Question Three

- i. Molecular sieve and Vermont process are the modern methods of plants preservation. Discuss (10mks)
- ii. Explain the preservation of the zoological specimens in the laboratory (5mks)

Question Four

Discuss phylum arthropoda (15mks)

Question Five

Phylum Echinodermata is classified into the following classes: Discuss each class giving their differences.

- a) Asteroidea
- b) Ophiuroidea
- c) Echinoidea
- d) Holothuroidea
- e) Crinoidea