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**GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2019/2020 ACADEMIC YEAR ONE**

**SECOND SEMESTER EXAMINATION**

**SCHOOL OF BIOLOGICAL AND PHYSICAL SCIENCES**

**FOR THE DEGREE OF BACHELOR OF EDUCATION**

**COURSE CODE: ZOO 110**

**COURSE TITLE: BASIC ZOOLOGY**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 14/02/2020 TIME: 2.00-4.00 PM**

**INSTRUCTION TO CANDIDATES**

* **The examination has FIVE (5) questions**
* **Question ONE (1) is COMPULSORY**
* **Choose any other TWO (2) questions from the remaining FOUR (4) questions**
* **Use sketch diagrams to illustrate your answer whenever necessary**
* **Do not carry mobile phones or any other written materials in examination room**
* **Do not write on this paper**

**This paper consists of TWO (2) printed pages *please turn over***

**QUESTION ONE (COMPULSORY)**

1. Define the following terms:
2. Deuterostome
3. ii.dichotomous key
4. protostomes
5. classification **[4 marks]**
6. State three similarities between protozoan and animals **[3 marks]**
7. Outline five differences between prokaryotes and eukaryotes. **[5 marks]**
8. Discuss briefly the three kingdom classification system **[6 marks]**
9. Explain why mushroom in two kingdom system is placed under kingdom Plantae  **[6 marks]**
10. Using examples distinguish between triplobastic and diplobastic animals **[3 marks]**
11. Briefly describe the morphological structure of an insects’s body **[3 marks]**

**QUESTION TWO**

1. State five general characteristics of phylum mollusca. **[5 marks]**
2. Discuss the binomial nomenclature system **[15 marks]**

**QUESTION THREE**

1. Outline the differences between plants and animals **[5 marks]**
2. Using example discuss **acoelomate**, pseudocoelomate and coelomate **[15 marks]**

**QUESTION FOUR**

Discuss in details the main characteristics used in animals classification  **[20 marks]**

**QUESTION FIVE**

1. State five differences between members of phylum arthropoda and phylum chordate **[5 marks]**
2. Briefly discuss body symmetry exhibited by body plans of animals. **[15 marks]**