**TERM TWO EXAMINATIONS YEAR 2020**

 **BIOLOGY PPR 3
NAME………………………………………….. ADM NO……………. CLASS………..**

 1.Below is a section through a mammalian organ.

A

B

C

i) Identify the section **(1mark)**

 …………………………………………………………………………………………

ii) Name the parts labeled **A, B** and **C** **(3marks)**

 A ………………………………………………………………………………….

 B …………………………………………………………………………………...

 C …………………………………………………………………………………...

iii) State three functions of the photographed specimen. **(3marks)**

…………………………………………………………………………………………

…………………………………………………………………………………………

iv) Label on the photograph using **G** and **L** the region where the **Glomerulus**, and

**Loop of Henle** are located respectively. **(2marks)**

 (v) Name a process that occurs in the glomerulus and Loop of Henle **(2marks)**

 a) Glomerulus ………………………………………………………………

 b) Loop of Henle ………………………………………………

(vi) Name two renal diseases **(2marks)**

2. You are provided with solution W.Using the provided reagents; carry out possible food tests to identify food substances present in solution. W

|  |  |  |  |
| --- | --- | --- | --- |
| Food substance | Procedure | observation | Conclusion |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

3. Examine photographs labeled T and S given below and use them to answer the questions that follow.



1. Giving reasons, name the mode of nutrition of the mammals whose skulls are shown in the photographs.

**T**………………………………………………. (1mk)

 **Reasons**  (2mks)

………………………………………………………………………………………

………………………………………………………………………………………

………………………………………………………………………………………

**S**………………………………………………. (1mk)

 **Reasons**  (2mks)

………………………………………………………………………………………

………………………………………………………………………………………

………………………………………………………………………………………

1. In the appropriate diagram, label the position where the horny pad would be found in living animals. (1mk)
2. Name the part labeled Q and state its function in photograph T.

**Name**………………………………………………………………… (1mk)

**Function**………………………………………………………………… (1mk)

1. Explain how the part labeled R is adapted to its function. (3mks)

………………………………………………………………………………………

………………………………………………………………………………………

………………………………………………………………………………………

4. Study the photographs below for specimen Rand S



 **Specimen S**

 **Specimen R**

1. State **two** observable differences between the specimen R and S (2mks

|  |  |
| --- | --- |
| **Specimen R** | **Specimen S** |
|  |  |

ii) Suggest the advantage of the adaptations on the limbs of specimen S (2mks)