**SUNSHINE PREMOCK 1: SUPLEMENTARY PRACTICAL**

1. (a) You are provided with substance P, carry out food tests using the reagents provided and fill the table below. (12mks)

|  |  |  |  |
| --- | --- | --- | --- |
| **Food test** | **Procedure** | **Observation** | **Conclusion** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

(b) State the importance of the food substances indicated in P in the human diet. (5mks)

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2. A student observed and drew a flower as shown.



**X**

**Ovary**

**Petal**

**Y**

(a) Name the following parts and state their functions. (4mks)

**X**……………………………………………………………..

Function

………………………………………………………………………………………………

………………………………………………………………………………………………

**Y**……………………………………………………….

Function

………………………………………………………………………………………………

………………………………………………………………………………………………

(b) Briefly describe the nature of the corolla of the flower drawn. (2mks)

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(c) Briefly describe the nature of the calyx of the flower drawn. (1mk)

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(d) What type of ovary does the flower have? (1mk)

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(e) (i) To which class does a plant with this type of flower belong? (1mk)

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(ii) Give **one** reason to support your answer in e (i) above. (1mk)

……………………………………………………………………………………………………..

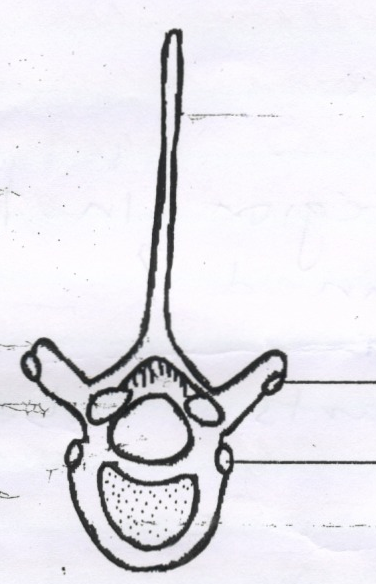
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3. Answer the questions that follow based on the drawing of vertebrae obtained from a mammal as indicated.

K- Anterior view of a certain vertebra

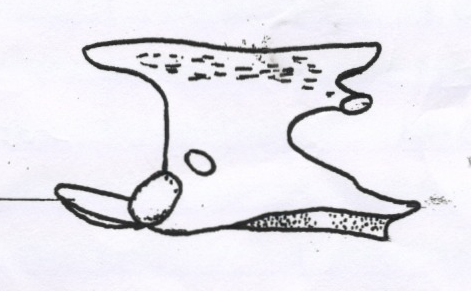
L-Lateral view of a certain vertebra

M- Anterior view of a certain vertebra



**S**

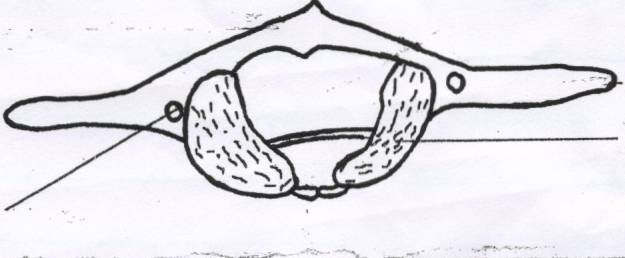
**U**



**t**

**K**

**L**



**M**

**V**

**W**

(a) Identify each bone (vertebra) and give one reason to support your answer, based on visible features.

**K** Name………………………………………………………..(1mk)

Reason: ………………………………………………………………………………………………..

**L** Name ……………………………………………………….. (1mk)

Reason: ………………………………………………………………………………………………..

**M** Name ……………………………………………………….(1mk)

Reason: ………………………………………………………………………………………………..

(b) (i) From which region in the mammal’s body was **L** obtained? (1mk)

………………………………………………………………………………………………

(ii) Name the parts labeled:- (2mks)

**S**…………………………………………………………………………

**t**…………………………………………………………………………

(c) State the functions of the parts:- (4mks)

t……………………………………………………………………………………………

U…………………………………………………………………………………………

V……………………………………………………………………………………………

W……………………………………………………………