

## CENTRAL KENYA NATIONAL SCHOOLS JOINT MOCK - 2016

231/3

BIOLOGY

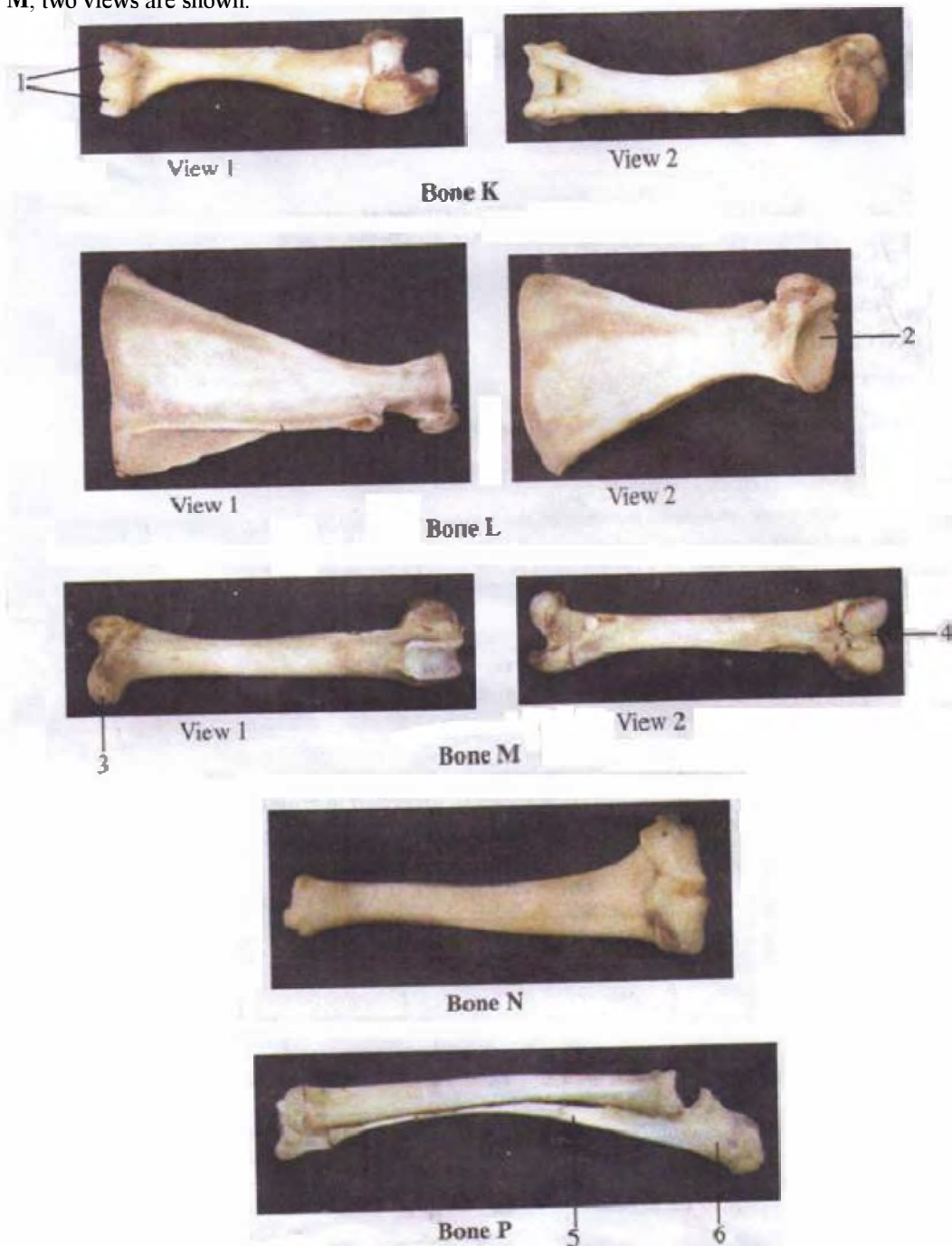
PAPER 3

(PRACTICAL)

JULY/AUGUST, 2016

TIME: 1¼ HOURS

1. The photographs labelled **K**, **L**, **M**, **N** and **P** below are bones obtained from a mammal. For each of the bones **K**, **L** and **M**, two views are shown.



- (a) Identify the bones and name the part of the mammalian body from which each was obtained. (5mks)
- (b) Name the parts labelled **1**, **2** and **4**. (3mks)
- (c) Name the bones that form a joint with bone **K** at its anterior and posterior end and in each case name the type of joint they form. (4mks)
- Anterior end.
- (i) Bone(s) .....
- (ii) Type of joint .....
- Posterior end.
- (i) Bone(s) .....

- (ii) Type of joint .....  
 (d) State the function of the structure labelled **6** in bone **P**. (1mk)  
 2. You are provided with specimen Q.  
 (a) (i) Draw and label the specimen. (5mks)  
 (ii) State the magnification. (1mk)  
 (b) State the function of any **three** parts you have labelled in (a) above. (2mks)  
 (c) (i) Name the class to which specimen Q belongs to. (1mk)  
 (ii) Give the reason for your answer above. (1mk)  
 (d) What type of germination is exhibited by specimen Q? (1mk)  
 3. You are provided with a sample of food labelled X and solution J (iodine solution), solution K (Benedicts solution) and solution L (Biurets reagent). Carry out tests on the food sample to identify the type of food substance present. (13mks)

Food being tested for	Procedure	Observations	Conclusion