KUHS; BIOLOGY TUNE UP

TERM 2 2011

TIME

(TOTAL MARKS 25)

1. (a) What is Osmosis? (1 mark)

(b) Differentiate between the terms, Osmotic pressure and Osmotic potential. (6 marks)

1. Give two factors affecting photosynthesis. (2 marks)
2. Briefly explain four factors that determine energy requirements in human beings. (4 marks)
3. Name the following blood vessels. (4 marks)

(i) Transports blood to the liver

(ii) Transports blood from the kidney

(iii) Transports blood to the lungs

(iv) Transports blood from the gut.

1. The diagram below illustrates longitudinal section of a human tooth. Study it and answer the questions that follow.
2. Name the type of tooth repreented above. 91 mark)
3. Give one reason for your answer. (1 mark)
4. State the function of the tooth. (1 mark)

(Iv) Name the structures labeled.. (3 marks)

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1. Some form two students set up an experiment as illustrated below. Study it and answer the questions that follow.
2. Identify the set-up (1 mark)
3. What was the use of the set up? (1 mark)
4. Identify one precaution that should be taken in preparation for the experiment. (1 mark)
5. Name any three heterotrophic modes of nutrition. (3 marks)