SUPPLEMENTARY EXAM

FORM 3

BIO PAPER

Extracted from old KUHS past papers

NAME……………………………………………………………………………….

1. Suggest and an explanation to each of the following

(a) The kidneys of desert animals have very long loop of Henle (2 marks)

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(b) Fresh water fish excrete ammonia but land animals excrete urea (2 marks)

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2. In an accident a victim suffered damage of his internal organs, consequently he started having excess glucose in his blood.

(a) **Which** organ was damaged? (1mk)

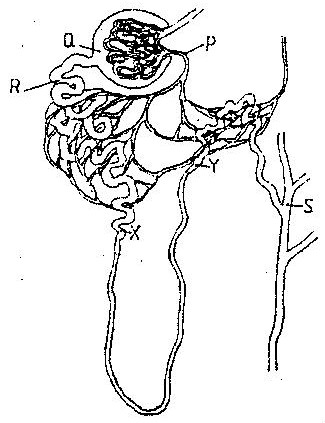
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(b) **Give** a reason for your answer. (1mk)

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3. Identify three plant waste products and state their economical importance to man (6 marks)

4. The diagram below represents a mammalian nephron



(a) Name the

(i) Structure labeled P (1mark)

(ii) Portion of the nephron between point X and Y (1mark)

(b) Name the process that takes place at point Q (1mark)

5. Describe the homeostatic function of the body to glucose regulation (5marks)