

ADM NO.....

NAME.....
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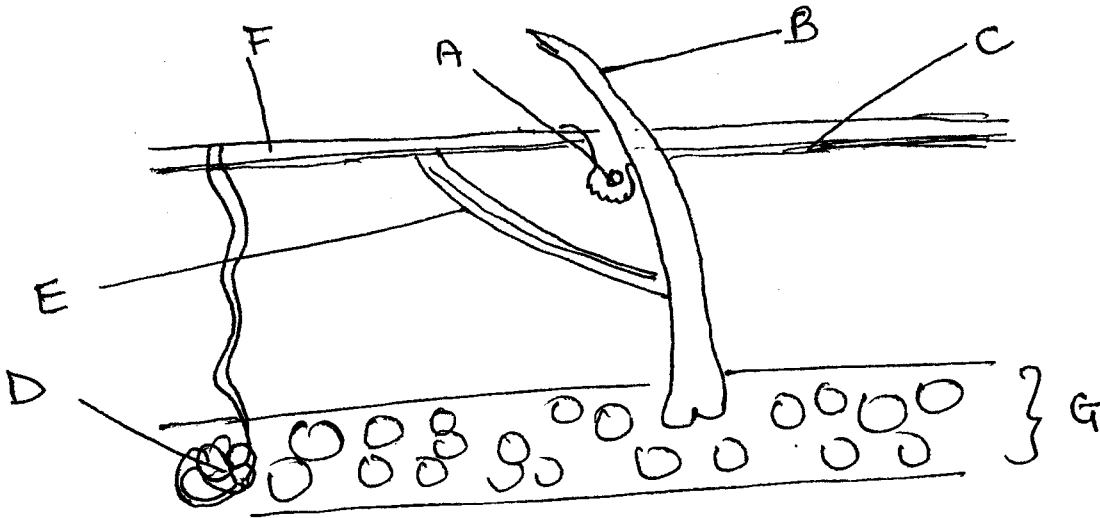
MID TERM EXAM BIOLOGY FORM 3 YEAR 2016.

1. Give two reasons why animals have specialized organs for excretion as compared to plants. (2mks).

a).....
.....
.....

b).....
.....

2. The figure below represent transverse section through human skin.



(I) Name parts labeled.(7mks).

- A
- B.....
- C.....
- D.....

E.....

F.....

G.....

(ii) Explain how the hair helps in keeping the body warm. (3mks).....

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(iii) State the functions of the parts labeled (2mks);

B.....

.....

.....

C.....

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.....

3. The normal glucose level in human blood is about $90\text{mg}/100\text{cm}^3$. Explain briefly how increase in blood sugar level above normal regulated. (5mks).

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4(a) Give the difference between homoitherns and ectotherms

(2mks)

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b) Explain how body size affect heat loss in animals. (4mks)

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5) Name the hormone involved in (2mks);

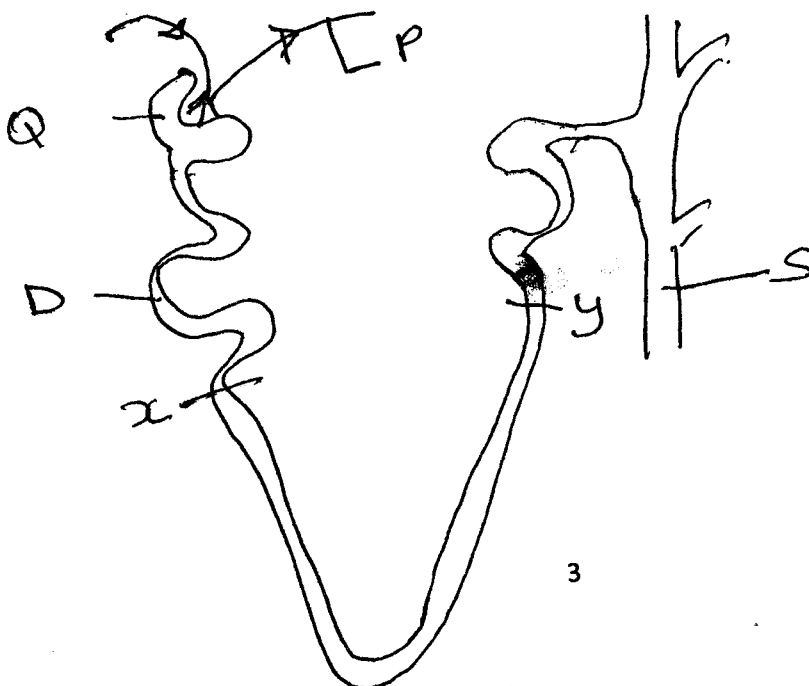
(a) Water regulation in human body

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(b) Regulation of ionic (minerals) in human body

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6. The diagram below represent mammalian nephron.



(a) Name the parts labeled (2mks)

P.....

Q.....

(b) Name portion of nephron between point X and y (1mk).....

(c) i) Name one substance present in portion labeled D but absent in S (1mk).....

ii) The appearance of substance you have mentioned in (ci) above is a symptom of a certain disease caused by a hormone deficiency (2mks)

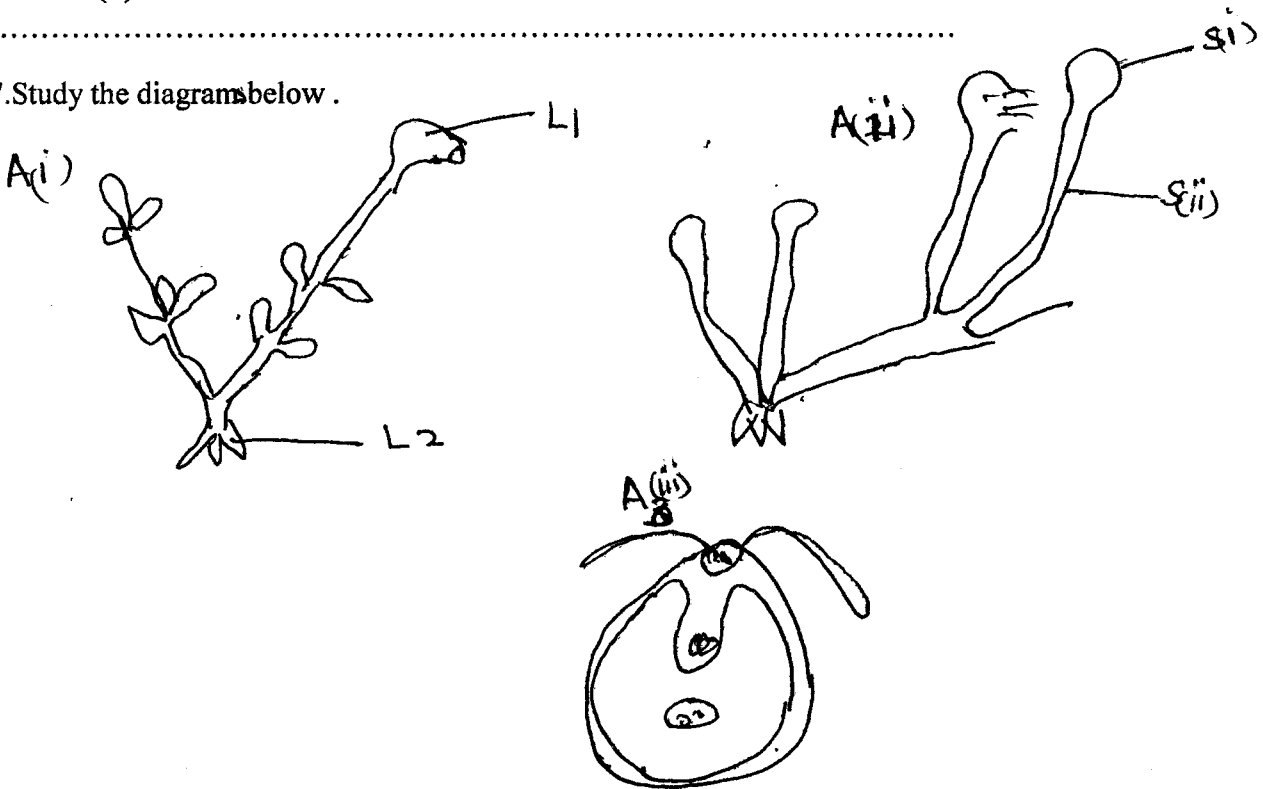
(i) Name the disease

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(ii) Name the hormone

.....

7. Study the diagrams below.



(a) Identify the kingdom for each (3mks).

A(i).....

A(ii).....

A(iii).....

(b)From A(i) label parts(2MKS)

Li.....

Lii.....

(c)From A(ii) label S(i).....(2KM)

S(ii).....

(d)Give any 2 observable features of Aiii which are a characteristic features of the kingdom(4mks) .

(i).....
.....
.....

(ii).....
.....
.....

8.State 3 external observable differences between members of class Chilopoda and Diplopoda(6mks).

Chilopoda

Diplopoda.

(i).....
.....

(ii).....
.....

(iii).....
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