

MODEL ENTRANCE TEST PAPER

BRITISH SECTION SUBJECT: BIOLOGY

**GRADE: 10
TOTAL MARKS: 25**

Q1. Match the Column A and B

[5marks]

COLUMN –A

- (a) Chemo receptors
- (b) Light
- (c) Water tank
- (d) Active transport
- (e) Diffusion

COLUMN – B

- (i) Heat absorption
- (ii) Smell and taste
- (iii) Phototropism
- (iv) Along concentration gradient
- (v) against concentration gradient

Q2. Fill in the blanks: -

[5marks]

There are different treatments for kidney failure available. One is kidney dialysis. A kidney dialysis machine receives blood through a tube connected to an _____. Inside the machine, blood flows through dialysis _____ which allows small molecules including _____ from liver to pass through its walls. The cleaned blood is returned to the patient into a _____. Alternative treatment for kidney failure is _____.

Q3. Choose the correct option, and solve the following Key.

[5marks]

Hint: **Fish** **Reptiles** **Amphibians** **Birds** **Mammals.**

1. Hairs present _____.
Hairs not present go to 2
2. Feathers present _____.
Feathers absent Go to 3
3. Breath with lungs Go to 4

Breathe with gills _____.

4. Dry scaly skin _____.

Moist scale less skin _____.

Q4. Answer the following questions.

[10marks]

(i) Define Plasmolysis?

(ii) How are proteins digested in the stomach?

(iii) Write down any two adaptations of villi that help them to carry out their function.

(iv) Define the term limiting factor. Give 2 examples also.

(v) How do lymphocytes play their role in immunity?

(vi) What is transpiration pull?

(vii) Why is potassium hydroxide used in investigation for respiration?

(viii) If the tip of a shoot is removed and an agar block is kept upon it. Then keeping the tip upon the agar block will result into what? Will it continue to grow or stop?

Growing or will bend?

(ix) Differentiate between dendrites and axons.

(x) What is accommodation?

SAMPLE 2