

# *City International School*

**Second Summative Assessment 2015 - 2016**

**Date : 13/04/2016**

**Std : VII**

**Subject : Biology (Paper III)**

**Marks : 60**

**Time : 1½ hrs**

Answer to this paper must be written on the paper provided separately.

You will not be allowed to write during the first 15 minutes.

This time is to be spent in reading the question paper, the time given at the head of this paper is the time allowed for writing the answer.

Section I is compulsory. Attempt any three questions from section II. The intended marks for questions or parts of questions are given in brackets ( )

## **SECTION – I [30 MARKS]**

### **All Questions Compulsory.**

#### **Q. 1 Fill in the blanks.**

**(5)**

- a. The place where two or more bones meet are called \_\_\_\_\_.
- b. \_\_\_\_\_ acts as catalyst.
- c. \_\_\_\_\_ is the largest gland in our body.
- d. Air sacs present in lungs are called \_\_\_\_\_.
- e. \_\_\_\_\_ join two bones together.

#### **Q.2 Match the column.**

**(4)**

- | <b>A</b>         | <b>B</b>    |
|------------------|-------------|
| a. Geotropism    | i. Light    |
| b. Phototropism  | ii. water   |
| c. Hydrotropism  | iii. touch  |
| d. thigmotropism | iv. Gravity |

#### **Q.3 True or False, if false rewrite the correct statement again.**

**(5)**

- a. Earthworm absorb oxygen through the lungs.
- b. Bile juice is important for regulating sugar level in the body.
- c. The arrangements of teeth in the jaws is called dentition.
- e. Chlamydomonas move in water with the help of flagella.

**Q.4 Name the following.**

**(6)**

- a. Structures which help in movement in mosses and ferns.
- b. Respiratory process in the absence of oxygen.
- c. Enzyme present in Saliva.
- d. Gland that produce bile juice.
- e. Large flat muscle found in the chest cavity.
- f. The act of moving entire body from one place to another.

**Q.5 Define:**

**(5)**

- a. Transpiration
- b. Ingestion
- c. Respiration
- d. Excretion
- e. Digestion

**Q.6 Odd one out, Identify the odd one out and write the characteristic of rest of the three.**

**(5)**

Sr. No.		Odd one out	Characteristic of rest of the three
a.	pepsin, Amino acids, trypsin, Lipase		
b.	Cow, Elephant, Horse, Fish		
c.	Liver, pancreas, salivary gland, ureter.		
d.	Skin, kidney, lungs, pancreas		
e.	Windpipe, oesophagus, lungs, bronchioles		

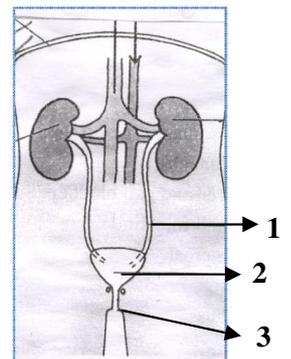
**SECTION – II [30 MARKS]**

**Attempt any three questions in this section.**

**Q. 7 a. Given below is the diagram of the excretory system.**

**(5)**

- i. Label part 1 ,2,3.
- ii. Name the bean shaped structure.
- iii. Write the function of part 3 and 1
- iv. Part concerned with temporary storage of urine.



b. Answer the following.

(5)

i. complete the given table.

Type of Teeth	Number in each jaw	Function
_____ 1 _____	4	_____ 2 _____
Canines	2	_____ 3 _____
Premolars	4	Grainding and Crushing Food
_____ 4 _____	6	Grainding and Crushing Food

ii. Define Nutrition

iii. Stomach  $\xrightarrow{\text{pepsin}}$  proteins  $\xrightarrow{\text{product}}$

Pancreas  $\xrightarrow{\text{Pancreatic Juice}}$  fats  $\xrightarrow{\text{product}}$

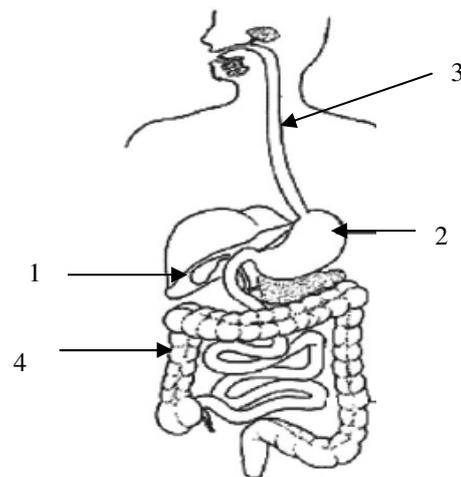
Q. 8 a. Given below is the diagram of the digestive system.

(5)

i. Label part 1 and 2

ii. State the function of part 2,4

iii. State the part where no digestion takes place.



b. Answer the following.

(5)

i. What is combustion?

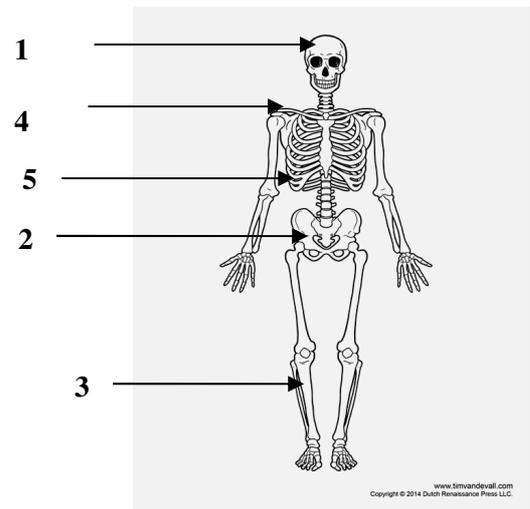
ii. Mention any 4 factor affecting the rate of transpiration?

iii. Complete the table.

Food + <input type="text" value="1"/>	$\longrightarrow$	<input type="text" value="2"/>	+ Water + More energy
Food + <input type="text" value="3"/>	$\longrightarrow$	<input type="text" value="4"/>	+ Less energy

**Q. 9 a. Given below is the diagram of skeletal system (5)**

- i. Label part 1,2,3,4
- ii. Write the function of part 5
- iii. Give 2 function of skeletal system



**b. Answer the following. (5)**

- i. Complete the following table

Joint	Where Found In Body	Type Of Movement
Fixed	1	No Movement
Slightly Movable	2	Slight Movement
Movable		
3	Hip and Shoulder	4
Hinge	5	In only one plane
6	Neck	Nodding or truning

- ii. Define Tendons
- iii. Define Tropism

**Q. 10 a. Answer the following. (5)**

- i. State the function of 1. Saliva 2. Tongue
- ii. Define – Dental plaque
- iii. What is the importance of respiration?

**b. Multiple choice Questions. (5)**

- i. \_\_\_\_\_ is the process by which digested food is taken up by the body.
  1. Egestion
  2. Assimilation
  3. Ingestion
  4. Absorption

- ii. Anaerobic respiration is carried out by \_\_\_\_\_.
1. Bacteria
  2. Plant
  3. Animal
  4. Human
- iii. The pigment hemoglobin is present in \_\_\_\_\_.
1. White blood cells
  2. Platelets
  3. Red blood cells
  4. Lymph
- iv. Structural and functional unit of kidney \_\_\_\_\_.
1. Alveoli
  2. Villi
  3. Nephrons
  4. None of the above
- v. Absorption of water takes place in \_\_\_\_\_.
1. Small intestine
  2. Large intestine
  3. Rectum
  4. Large intestine and rectum
- vi. Exchange of respiratory gases through skin is called \_\_\_\_\_.
1. Diffusion
  2. Cutaneous respiration
  3. Osmosis
  4. Cellular respiration
- vii. Blood of insects, insects, like the cockroach is \_\_\_\_\_.
1. Blue
  2. Colourless
  3. Red
  4. Brown
- viii. Lipase is also called \_\_\_\_\_.
1. Pepsin
  2. Surcase
  3. trypsin
  4. Steapsin
- ix. Finger-like projections called villi are present in \_\_\_\_\_.
1. Stomach
  2. Large intestine
  3. Small Intestine
  4. Liver
- x. \_\_\_\_\_ helps in the removal of urea from the blood.
1. Kidney
  2. Skin
  3. Liver
  4. lungs