



U. S. OSTWAL INTERNATIONAL SCHOOL

OSTWAL WONDERCITY, BOISAR (E)

TERM - I (2023-24)

Name: _____

Date: _____

Roll no. _____

Time: 2hr 30min

Grade: VIII

Max. Marks: 60

Subject: Biology

General Instructions:

- All Questions are compulsory. Do not write the questions
- Directly write the answers. Write the paper neatly. 10 min for reading.

Q.1) Fill in the blanks.

(6M)

- 1) _____ are animals that eat only plants.
- 2) Primary consumers are eaten by _____.
- 3) Air, water and soil are _____ components of the earth.
- 4) The heart is enclosed in a double – walled protective sac called _____.
- 5) _____ is the largest artery in the body.
- 6) Chemical coordination is brought about by _____.

Q.2) Choose the correct option from the following.

(6 M)

- 1) Which of the following can absorb solar energy?
a) Grass b) Mango tree c) Rose plant d) All three
- 2) A partly upright pyramid of number is seen in a /an _____ ecosystem.
a) aquatic b) grassland c) forest d) all of them
- 3) The biotic components of the earth include _____.
a) only plants b) only animals c) air, water and soil d) plants ,animals and microorganisms.
- 4) Chemical coordination is brought about by _____.
a) nerves b) hormones c) neurons d) enzymes
- 5) The only artery which carries impure blood is _____.
a) superior vena cava b) inferior vena cava c) pulmonary artery d) aorta
- 6) The artery which supplies blood to all parts of the body _____.
a) aorta b) pulmonary artery c) superior vena cava d) inferior vena cava

Q.3) Write (T) for true and (F) for false.

(06)

- 1) Everything that surrounds us is called ecosystem. _____
- 2) The most abundant natural resource on the earth is land. _____
- 3) Plants and animals are interdependent. _____
- 4) Hormones are secreted in small amounts. _____
- 5) Thyroid glands are present on top of each kidney _____
- 6) Pulmonary artery is the only artery which carries impure blood. _____

Q. 4) Identify the error (s) in the given statements.

(06)

1. Organisms which feed on secondary consumers are called carnivores.
2. Inverted pyramid of numbers is found in aquatic and grassland ecosystems.
3. An aquarium is a natural ecosystem.
4. Nervous coordination is brought about by certain chemicals called hormones.
5. Ventricles are thin- walled and they receive blood from different parts of the body.
6. The flow of message through a neuron is called a synapse.

Q.5) Give reasons for the following statements. (Any 5)

(10)

- 1) Green plants are called producers.
- 2) Light is the chief source of energy.
- 3) Biotic and abiotic components are interdependent.
- 4) Problem of acne and pimples arise in adolescence.
- 5) Ventricles are thick walled.
- 6) Boys have a hoarse voice at puberty.

Q.6) Differentiate between the following. (Any 2)

(05)

- 1) Producer and consumer
- 2) Food chain and food web
- 3) Systole and diastole

Q.7) Answer the following questions. (Any 5)

(10)

- 1) Who are omnivores?
- 2) What are flora and fauna of a forest?
- 3) One of your friends has kept potted plants in his room. You observe that the plants become pale within a few days. What will you advise him and why?
- 4) What is grey matter found in the brain?
- 5) Write the function of cerebrospinal fluid.
- 6) During surgical operations or during accidents the patient may be given blood from outside to save his life . What is the technical name of this process ?

Q.8 Explain the following terms.(Any 2)

(06)

1. Consumers
2. Pyramid of numbers
3. Puberty

Q.9 You can see some blood vessels on the outside of the hands especially in older people. Are those veins or arteries? How can you confirm your Solution?

(03)

Q.10 Label the diagram of blood vessels.

(02)



ALL THE BEST