

Half Yearly Exam (2023-24)

Subject : Biology

Class : VIII

M.M. 50

Note- Attempt All questions

Q.1 : CHOOSE THE CORRECT OPTION:

1. The gas that protect us from ultraviolet radiation is:

- (a) Nitrogen () (b) carbon dioxide ()
(c) sulphur dioxide () (d) ozone ()

2. Which is a secondary consumer?

- (a) Grasshopper () (b) snake ()
(c) eagle () (d) frog ()

3. Blue-green algae are:

- (a) Producers () (b) primary consumers ()
(c) secondary consumers () (d) apex predators ()

4. Which tree is found in a tropical rainforest?

- (a) Pine () (b) ebony ()
(c) Indian plum () (d) maple ()

5. Which animal is found in a boreal forest :

- (a) Jaguar () (b) elephant ()
(c) python () (d) caribou ()

6. People with the blood group AB produce:

- (a) Anti-A antibody () (b) anti-B antibody ()
(c) no antibodies ()
(d) both anti-A and anti-B antibodies ()

7. The right auricle receive deoxygenated blood through:

- (a) The superior vena cava ()
(b) the inferior vena cava ()
(c) the cardiac veins ()
(d) all of these ()

(2)

8. Which of these is semi lunar valve?

- | | | | |
|---------------------|-----|----------------------|-----|
| (a) Tricuspid valve | () | (b) aortic valve | () |
| (c) pulmonary valve | () | (d) both (b) and (c) | () |

9. Lymphocytes are produced in the

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|-------------------|-----|-------------------|-----|
| (a) Lymph vessels | () | (b) blood vessels | () |
| (c) thymus gland | () | (d) heart | () |

10. Hypertension is caused when the systolic pressure is above

- | | | | |
|-------------|-----|-------------|-----|
| (a) 60mmHg | () | (b) 90mmHg | () |
| (c) 180mmHg | () | (d) 140mmHg | () |

Q.2 : FILL IN THE BLANKS:

1. Air and water are part of thecomponent of an ecosystem.
2. Plant are called.....because they manufacture food.
3. Each step of a food chain is called alevel.
4. Mutualism is a relationship between two organisms in which both organisms are.....
5. Ais network formed by several.....connected food chains.
6. RBCs have.....types of antigens.
7. People with the blood group.....are called universal recipients.
8. The.....system is a parallel circulatory system present in human beings.
9. The heart stops beating suddenly and blood stops flowing through the body in a
10. The.....septum separates the two auricles.

Q.3 : WRITE TRUE OR FALSE:

1. The pulmonary valve guards the entrance to the right auricle.
2. The rhesus factor was discovered in the rhesus monkey.
3. Systemic circulation carried blood to and from the entire body.
4. Veins do not have valves.
5. Hypertension can damage the inner lining of the arterial walls.

Q.4 : MATCH THE COLUMN:

'A'

'B'

1. PRODUCERS
2. CLOWNFISH AND SEA ANEMONE
3. TAPEWORMS AND HUMAN BEINGS
4. MONSOON FOREST
5. EPIPHYTES
6. APEX PREDATOR

- TROPICAL DECIDUOUS FOREST
- RAINFOREST
- GREEN PLANTS
- MUTUALISM
- PARASITISM
- LION

Q. 5 : ANSWER THE FOLLOWING :

1. What is an ecosystem? Name two types of aquatic and terrestrial ecosystem.
2. What is different between biome and biosphere?
3. How does a food web differ from a food chain?
4. Name the four types of blood groups. How they are classified?
5. Name the types of blood vessels. What are their functions?

Q.6 : EXPLAIN IN BRIEF: (Any Three)

1. What is the difference between systemic circulation and pulmonary circulation?
2. What is a Pyramid of numbers? Why does the number of organism usually decrease at each trophic level?
3. What are different types of symbiosis? Explain with examples.
4. What is difference between heart attack and a cardiac arrest?

