



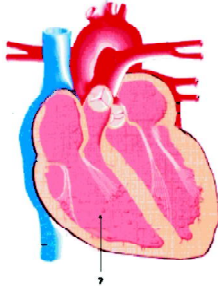
Global Science Olympiad

CLASS 4th SYLLABUS & SAMPLE QUESTIONS

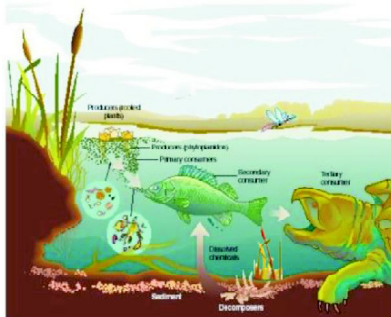
The World of Microorganisms, The Plant Kingdom, The Animal Kingdom, Human Body, Nutrition, Soil, Rock and Minerals, Light and Sound, Gravitation, Measurement, Force and Motion, Work, Power and Energy, Matter, Our Environment, Our Universe, General and Applied Science.

The Actual Question Paper Contains 25 Questions. The Duration of the Test Paper is 45 Minutes.

1. The following graphic shows the human heart. What is the name of the structure marked with question mark?



- (A) Right atrium (B) Vena cava
(C) Left ventricle (D) Right ventricle
(E) None of these
2. Which one of the following elements of biological organization does the following graphic depict?



- (A) Biosphere
(B) Ecosystem
(C) Community
(D) Population

3. A student is performing experiment in laboratory in which he is handling chemicals. Which one of the following procedures he should use for safety?

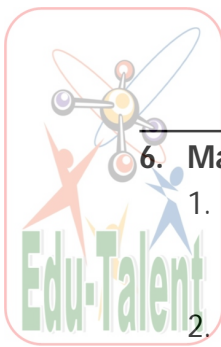
- (A) He should close the door of lab.
(B) He should wear proper clothes.
(C) He must perform the experiment under the supervision of teacher.
(D) He can perform the experiment without safety measure.
(E) None of these

4. The function of kidney is to remove waste and excess fluid from the blood. A normal healthy person has two kidneys. What will happen if one of the two kidneys is removed?

- (A) The person will die
(B) The person needs dialysis machine to survive
(C) The person will continue to live a normal life
(D) Excess urea will get accumulated in the body of the person
(E) None of these

5. I am the part of eye. I can be of different colours. I have a small opening in the center. Who am I ?

- (A) Pupil (B) Iris
(C) Sclera (D) Choroid



6. Match the following:

1. Heart (A) Is located between the stomach and the anus.
2. Stomach (B) Are paired organs
3. Intestine (C) Digests food
4. Lungs (D) Is a hollow, muscular organ.

- (A) 1-B,2-C,3-A,4-D
- (B) 1-D,2-C,3-B,4-A
- (C) 1-D,2-C,3-A,4-B
- (D) 1-D,2-B,3-A,4-C
- (E) None of these

7. You are holding a stone in your hand. What kind of energy does the stone have?

- (A) Potential energy
- (B) Kinetic energy
- (C) Simple energy
- (D) All of these
- (E) None of these

8. Microorganisms are our friend and foe. Some of them are useful for us whereas some are harmful. From the given list sort out useful and harmful actions of bacteria.

Creating food, spoiling food, decomposition, role in carbon and nitrogen cycle, sickness

- (A) Useful: Creating food, decomposition. Harmful: Spoiling food, role in carbon and nitrogen cycle, sickness
- (B) Useful: Creating food, decomposition, role in carbon and nitrogen cycle. Harmful: Spoiling food, sickness
- (C) Useful: Creating food, role in carbon and nitrogen cycle. Harmful: Spoiling food, sickness, decomposition.
- (D) Useful: Creating food, role in carbon and nitrogen cycle, Spoiling food. Harmful: sickness, decomposition.
- (E) None of these

9. Joints in our body allow the movement of our body part. Our skull has fibrous joint still we are unable to move our skull. Why?

- (A) This joint is fixed and allows no movement.
- (B) This joint is deeply attached and allows no movement.
- (C) This joint is firmly held by connecting tissues and allows no movement
- (D) All of these
- (E) None of these

10. Examine the following statements:

Statement A: Polar ice is melting slowly. This activity increases the sea level.

Statement B: Gases in the atmosphere release heat energy from the sun.

Which one of the following is correct with regard to the above statements?

- (A) Only Statement A is correct.
- (B) Only Statement B is correct.
- (C) Both Statement A and Statement B are correct.
- (D) Both Statement A and Statement B are incorrect.
- (E) Both Statement A and Statement B are partly correct.

11. Various human activities, such as burning of coal, create more greenhouse gases in the atmosphere which contributes to increase global warming. Which one of the following gases is a greenhouse gas?

- (A) Nitrous oxide (B) Ozone
- (C) Water vapor (D) All of these
- (E) None of these

12. The dangerous ultraviolet rays from the sun are stopped in the upper part of the atmosphere. Which layer of the atmosphere provides a shield for us from ultraviolet rays?

- (A) Stratosphere (B) Hydrosphere
- (C) Ozone layer (D) Exosphere
- (E) None of these



13. Consider the following two statements:-

Statement A: Vehicular pollution is one of the main causes of air pollution.

Statement B: All living organisms are responsible for spoiling the environment.

Which of the following is correct with respect to the above statements ?

- (A) Statement A is correct
- (B) Statement B is correct
- (C) Both, Statement A and Statement B are correct.
- (D) Both, Statement A and Statement B are incorrect.
- (E) Both, Statement A and Statement B are partly correct.

14. Energy resources come from nature. An energy supply that is replaced as quickly as it is used, such as wind is called.....

- (A) Nonrenewable energy
- (B) Fossil fuels
- (C) Renewable energy
- (D) Natural gas
- (E) None of these

15. Which of the following controls the balance and movement and determines how the body muscles work together?

- (A) Cerebellum
- (B) Cerebrum
- (C) Medulla oblongata
- (D) All of these
- (E) None of these



ANSWERS

1. (D) 2. (B) 3. (C) 4. (C) 5. (B) 6. (C) 7. (A) 8. (B)
9. (C) 10. (A) 11. (D) 12. (C) 13. (A) 14. (C) 15. (A)