



TEST PAPER: BIOLOGY

Time: 45 Minutes

Class: ICSE 8

Max. Marks: 30 Marks

Date: 17th Oct 2018

Marking Scheme: All questions carry 10 marks each. Subparts (A) and (B) carry 3 marks each and subpart (C) carries 4 marks.

Question 1:

A. Define.

1. Antibodies.
2. Ventricles.
3. Sphygmomanometer.

B. Give function.

1. Platelets.
2. Capillaries.
3. RBCs.

C. Answer the following.

1. Why WBCs are called the police force of the body?
2. Who discovered blood groups?
3. Give two functions of blood.

Question 2.

A. Differentiate.

1. Arteries & veins.
2. Blood & lymph.
3. Universal donor & universal receiver.

B. Complete the sentences.

1. Auricles are also known as _____.
2. A person with blood group 'A' can be given blood with the blood group/s _____.
3. Antigens are substances on the surface of _____.
4. _____, _____, _____ are the three types of cells found in blood

C. What is double circulation? Describe both the circulations. Name the four valves of heart.

Question 3.

A. Explain the terms.

1. Coronary artery.
2. Vena cava.
3. Rh-factor.

B. Explain.

1. Why veins have valves?
2. Why mammals have four chambered heart?
3. Why the deoxygenated & oxygenated blood never mixes in the heart?

C. 1. Label the structures mentioned in the diagram & answer the following.

2. Is '1' a part of pulmonary circulation?
3. Which vessel brings oxygenated blood to '2'?
4. Why '4' has thick walls?

