



TEST PAPER: BIOLOGY

Time: 45 Minutes

Class: ICSE 10

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. Evolution.
2. Variation.
3. Population.

B. Differentiate between Darwin's & Lamarck's theories (3 points).

C. Answer the following.

1. What are vestigial organs? Explain with an example.
2. Explain the two factors in detail that resulted in population explosion.

Question 2.

A. Explain the terms.

1. Birth rate.
2. Speciation.
3. Mortality.

B. What is Natural selection? Give the difference between inherited & acquired traits with examples.

C. Name the following.

1. The prehuman ancestor.
2. Statistical study of human population.
3. First human ancestors to hunt & use fire.
4. Closest human ancestors that lived in Europe.
5. Difference between birth & death rate.
6. The scientific name of the modern man.

Question 3.

A. Complete the sentences.

1. Population density means _____.
2. Ramapithecus → _____ → Homo habilis, → _____ → Neanderthals → _____ & Modern man.
3. The cranial capacity of Neanderthal man was _____.
4. Survival of the fittest means _____.

B. What are the three aspects covered under family welfare?

C. Describe.

1. Industrial melanism.
2. Surgical ways of family planning