

TEST PAPER: BIOLOGY

Time: 45 Minutes

Class: ICSE 8

Max. Marks: 30 Marks

Date: 19th Sept 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. Stamen/neuron.
2. Root pressure.
3. Livestock/imbibition.

B. Describe.

1. Anemophily/cerebellum.
2. Function of scrotum/growth hormone.
3. Organic farming/xylem.

C. Answer the following.

1. Explain how bacteria move about.
2. What are bioweapons/sieve tubes?
3. What is double fertilization?

- OR Give classification of human nervous system & explain in short.

Question 2.

A. Differentiate

1. Transpiration & translocation.
2. Male & female gametes/ Sensory & motor neurons.
3. Apiculture & sericulture/ primary & secondary growth.

B. Fill in the blanks with proper words/phrases.

1. _____ is the dead cells of phloem.
2. Transportation of minerals into the root hair by using energy is called _____.
3. _____, _____ & _____ are the dead cells of xylem.
4. Flower is attached to the stem by _____/ A junction between two neurons is called _____.

C. Give different types of bacteria according to their shape. Give difference between mono, diplo, strepto & staphylo cocci bacteria / Describe the structure & functions of cerebellum/Two methods of vegetative propagation.

Question 3.

A. 1. Name the following.

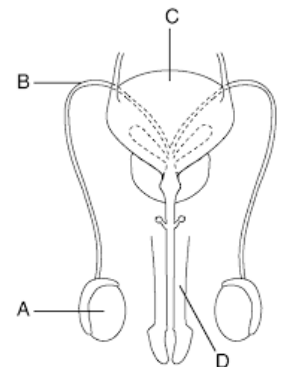
1. Architects of white revolution & green revolution in India/another name for lateral meristem.
2. Suitable part of plant that can be used for micro propagation.
3. The fixing and the receiving plants in the grafting process of reproduction.
4. An embryo grows & develops in this organ.

- OR State the type of reflexes- blinking, playing instruments, sneezing.

B. Refer to the diagram & answer.

1. Label the parts A, B, C, D.
2. What is the function of A?
3. Name the structure present on the top of 'A' in the form of coiled bundle of tubes.
4. Name two glands that open into sperm duct. What is their function?

- OR Name any four hormones of pituitary gland along with its functions.



C. What is animal husbandry? Give two types of classification of animals that provide food. Name one each indigenous, exotic, dual purpose & cross breeds of cattle.

- OR Give difference between – 1. Binary & multiple fission, 2. Fragmentation & regeneration.