



TEST PAPER: BIOLOGY

Time: 45 Minutes

Class: CBSE 10

Max. Marks: 30 Marks

Date: 28th Nov, 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. Give the functions.

1. Fallopian tube.
2. Uterus.
3. Epididymis.

B. Give reason.

1. Why is DNA copying an essential part of the process of reproduction?
2. Why tissue culture is practiced for growing orchids?
3. Why variation is useful for the survival of species over time.

C. Answer the following.

1. What is the role of the seminal vesicles and the prostate gland?
2. What is spore formation?
3. How is the process of pollination different from fertilisation?

Question 2.

A. Explain any three parts of male reproductive system with their functions.

B. Explain.

1. Fragmentation.
2. Binary fission.
3. Regeneration.

C. What is the role of ovary & uterus in female reproductive system? Name the male & female hormones.

Question 3.

A. People not suffering from AIDS are advised to use a contraceptive method to prevent STD.

- a. Name the method.
- b. List the symptoms of STD
- c. What is the human value from using this method?

B. Explain why.

1. Why do organisms reproduce?
2. Why the the belief that the mother is completely responsible for the sex of the child is wrong?
3. Why does menstruation occur?

C. A researcher attempts making apomicts(asexual reproduction) of hybrid seeds.

- a. What are the advantages of this attempt?
- b. How does it occur naturally in mango?
- c. How do you think this experiment will help the farmer?