

BHARATH COACHING CENTRE

10th CBSE

How to Organism Reproduce

Total: 50

Science

Time: 1.30 hrs

SECTION – A

5 x 1 = 5

1. What is the difference between the 2 asexual reproduction : fission and fragmentation?
2. Reproduction is essential for living organism in order to _____.
3. The liquid in which the male gametes are suspended.
4. The chemicals present in oral pills & vaginal pills.
5. The single cell formed after fertilization develops in the flower at _____.

SECTION – B

5 X 2 = 10

6. What is the basic difference between asexual reproduction and sexual reproduction?
7. What is the importance of DNA copying in reproduction? Explain with an example.
8. How is the process of pollination different from fertilization?
9. Explain how, offspring and parents of organisms reproducing sexually have the same number of chromosomes.
10. How does copper-T prevent pregnancy?

SECTION – C

5 X 3 = 15

11. What is meant by multiple fission? Name one organism & Explain with the help of neat sketch.
12. What are the parts present in a reproductive organ of a plant
13. Explain what is happening after fertilization in a flower.
14. Name the sex cells involved in internal fertilization of animals along with its structure.
15. Differentiate tubectomy & vasectomy.

SECTION – D

5 X 4 = 20

16. Two very small organisms X and Y both reproduce by the method of budding. Organism X is industrially very important because it is used in making alcohol from sugar. It is also used in making bread. Organism Y lives in freshwater. If organism Y gets cut into a number of parts accidentally, each cut part can grow to form complete organism.
 - (a) What are organisms X and Y?
 - (b) To which class of organism does X belong?
 - (c) What is the name of process in which X converts sugar into alcohol?
 - (d) Which organism is multicellular and which one is unicellular?
17. Explain in detail that how internal fertilization takes place and the development of zygote in human beings.
18. Give an detailed account on female reproductive system.
19. In the surgical method of birth control available for males, the structures A in the reproductive system are cut and ligated at both ends. This prevents the reproductive cells B from coming out from the organs C where they are made in the male body. Since B cannot come out from the male body, they cannot fuse with cell D in the body of a female and hence pregnancy is prevented.
 - a. What are structures A?
 - b) What are cells B?
 - c) Name the organs C.
 - d) What is cell D?
 - e. What is the name of this surgical procedure for birth control available to males?
20. What is implantation? What happens if the egg is not fertilized?