

HOME ASSIGNMENTS

1. A Male gamete fuses with a female in generative fertilisation.

2. Which of the following statements is incorrect?

(a) The filiform apparatus blocks the entry of pollen and sperm cells.

(b) The secondary nuclei form a polar nucleus prior to fertilization.

(c) Androecium is a part of the carpel.

(d) All of the above

(e) None of the above

3. In a list of organisms given below which is reproduced by asexual method of reproduction?

(a) Banana

(b) Yeast

(c) Dog

(d) Lion

4. Offsprings formed by asexual method of reproduction have greater similarity among themselves because

a) Asexual reproduction involves two parent.

b) Asexual reproduction does not involve gametes

5. The correct sequence of reproductive stages seen in flowering plants is

a) Gamete, zygote, embryo, seedling

b) zygote, gamete, embryo, seedling

c) seedling, embryo, zygote, gametes

d) Gamete, embryo, zygote, seedling

6. The no. of chromosomes present in parents and offspring of a particular species remains constant due to Halving of chromosomes during gamete formation.

7. In *Mucor* tubular structure bearing sporangia at their tips called hyphae.

8. Length of the pollen grain depends upon the distance between Pollen grain on upper surface of stigma and ovule.

9. The ability of cell to divide into several cells during reproduction in plasmodium is called Multiple Fission

10. Asexual reproduction takes place through budding in Yeast.

11. The anther contains Pollens

12. The haploid nucleus formed is called endosperm

13. Syngamy is :
fusion of egg cell and male gamete in flowering plants.

14. Which of the following statements are true for flowers?

~~They possess both stamen & pistil~~
They are sexual reproductive organ.

15. Which among the following statements are false for unisexual flowers?

They possess both stamen & pistil

Short Answer Type

16. Why does the period of development of

embryo is longer in case of multicellular organism?

The period development of embryo is longer in case of multicellular ~~are~~ organism because in the process of development of embryo forms first zygote. The zygote undergoes cell division and cell differentiation.

17. Draw the diagram of an embryo sac of plants

