

Chapter- 3

Worksheet- 1

1. _____ is a duct coming from the urinary bladder which carries sperms.
2. Budding takes place in _____ and _____.
3. The number of chromosomes in parents and offsprings of a particular species remains constant due to
 - (a) doubling of chromosomes after zygote formation
 - (b) halving of chromosomes during gamete formation
 - (c) doubling of chromosomes after gamete formation
 - (d) halving of chromosomes after gamete formation
4. Assertion(A): Pollen grains from the carpel stick to the stigma of stamen.
Reason (R): The fertilised egg cells grow inside the ovules and become seeds.
 - (a) Both A and R are true and R is the correct explanation of A.
 - (b) Both A and R are true but R is not the correct explanation of A.
 - (c) A is true but R is false.
 - (d) A is false but R is true.
5. In Rhizopus, tubular, thread-like structures bearing sporangia at their tips are called
 - (a) filaments
 - (b) hyphae
 - (c) rhizoids
 - (d) roots

6. In a flower, the parts that produce male and female gametes (germ cells) are
 - (a) stamen and anther
 - (b) filament and stigma
 - (c) anther and ovary
 - (d) stamen and style
7. During favourable conditions, Amoeba reproduces by
 - (a) multiple fission
 - (b) binary fission
 - (c) budding
 - (d) fragmentation
8. Bryophyllum can be propagated vegetatively by the
 - (a) stem
 - (b) leaf
 - (c) root
 - (d) flower
9. The future plant present in the seed is called the
 - (a) cotyledons
 - (b) seed coat
 - (c) germ cells
 - (d) embryo
10. The embryo in humans gets nutrition from the mother's blood with the help of a special tissue called
 - (a) Placenta

- (b) Villi
- (c) Uterus
- (d) Womb

11. Differentiate between pollination and fertilisation.
12. Why are offsprings similar but not identical to each other.
13. What are propagules? List some advantages of vegetative propagation.
14. How is gamete formation and meiosis interlinked?
15. Differentiate between asexual and sexual reproduction.
16. Reproduction in lower plants like spirogyra takes place by which mode?
17. Why are testes located in scrotal sac?
18. Name 2 bacterial and 2 viral STDs. Write their symptoms.
19. Draw a well labelled diagram of –
 - a. unisexual flower
 - b. bisexual flower.
20. Explain in brief what happens when the egg is not fertilized.