

BRAIN INTERNATIONAL SCHOOL

Biology Assignment

Class: X

July'21

Chapter 8 :How do Organisms Reproduce?

1. MULTIPLE CHOICE QUESTIONS:

(i) The power to restore the lost organ is called:

- (a) Fragmentation (b) Sporulation (c) regeneration (d) Sexual reproduction

(ii) The asexual mode of reproduction in *Plasmodium* is called:

- (a) Binary fission (b) fragmentation (c) multiple fission (d) Reduction

2. ASSERTION-REASON QUESTIONS:

Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below, mark one as the correct answer.

- (i) Both A and R are true and R is correct explanation of the assertion.
(ii) Both A and R are true but R is not the correct explanation of the assertion.
(iii) A is true but R is false.
(iv) A is false but R is true.

(a) **Assertion:** Colonies of yeast multiply in sugar solution.

Reason: Sugar is made up of sucrose which is providing energy for sustaining life activities.

(b) **Assertion:** Clones are the offspring's of organisms formed by asexual reproduction.

Reason: clones have exact copies of DNA as their parent.

3. Mention the significance of variation in living organisms.

4. In tobacco plant, the male gametes have twenty four chromosomes. What is the number of chromosomes in the female gamete? What is the number of chromosomes in the zygote??

5. Why are the pieces of potato tubers used for propagation?

6. Describe the process of binary fission in amoeba with suitable diagram.

7. In summer holidays, Seema went to her village. One day her grandfather discussed with her father about developing a hybrid variety of mango. Seema suggested them to use grafting method of vegetative propagation and also described the detail process.

a) What is grafting?

b) What are its advantages?

8. Activity: Examine the growth of bread mould on the moist slice of bread at home and mention your observations and conclusion.