

## **REVISION PRACTICE ASSIGNMENT (RPA)**

### **SUBJECT-BIOLOGY**

**SESSION-2020-21**

**CLASS-XII**

## **TOPIC: REPRODUCTION IN ORGANISMS (ASEXUAL)**

### **Q.1 Choose the correct answer: -**

I. What are ciliated spore?

- a. Non-motile spores
- b. Zoospores
- c. Homospores
- d. Heterospores

II. In animals, juvenile phase is followed by

- a. reproductive phase
- b. senescent phase
- c. old phase
- d. vegetative phase

III. Vegetative propagation in Pistia occurs in

- a. sucker
- b. offset
- c. runner
- d. rhizome

IV. There is no natural death in single celled organisms like Amoeba and bacteria because

- a. they cannot reproduce sexually
- b. they reproduce by binary fission
- c. parental body is distributed among the offspring
- d. they are microscopic

V. In yeast cell division results in a small cell called

- a. offspring
- b. bud
- c. clone
- d. branch

**Q.2. Answer the following question in one word/sentence.**

- a) Name the most invasive aquatic plant weed which is called "Terror of Bengal".
- b) Which characteristic property of Bryophyllum is exploited by gardeners and farmers?
- c) what represents the life cycle of an organism?
- d) Give an example of an animal which has developed capacity of regeneration.
- e) in which type of reproduction single parent is essential for production.

**Q.3. Answer the following questions in 2-3 sentences.**

- a. Although potato tuber is an underground part it is considered as a stem. Give two reasons.
- b. Mention two inherent characteristics of amoeba and yeast that enable them to produce asexually.
- c. Between an annual and a perennial plant which one has a shorter juvenile phase. Give one reason.

**Q.4. Long answer type question: -**

- 1) What is micropropagation? Why are the plants produced by micropropagation called somaclones?