

**ATOMIC ENERGY CENTRAL SCHOOL, MYSORE**

**WORKSHEET-1**

Sub: Biology

Class : XII

Lesson : **REPRODUCTION IN ORGANISM- QUESTION BANK**

Name: \_\_\_\_\_ Roll No.: \_\_\_\_\_ Date: \_\_\_\_\_

Maximum Marks : \_\_\_\_\_ Marks Obtained: \_\_\_\_\_

**ONE MARK QUESTIONS**

1. What is life span?
2. Define clone.
3. Mention the different means/ methods of asexual reproduction with example.
4. Unicellular organisms are immortal. Justify.
5. How vegetative reproduction does take place in Bryophyllum?
6. Name the mode of reproduction that ensures creation of new variants.
7. How does the progeny formed from asexual reproduction differ from those formed by sexual reproduction?
8. Name the species of plant that flowers once in life time.
9. Between an annual and a perennial plant, which one has shorter juvenile phase? Give reason.
10. Name the plant that flowers once in 12 years.
11. In haploid organisms that undergo sexual reproduction, name the stage in the lifecycle when meiosis occurs ?
12. A haploid organism produces gametes by mitosis. Does it mean that meiosis never occurs in such organisms.
- 13 All papaya plants bear flowers but fruits are seen only in some. Why?
14. Why is fertilization in bryophytes and pteridophytes considered as internal fertilization?
15. Why are meiosis & gametogenesis always interlinked?

### **TWO MARKS QUESTIONS:**

1. Is there a relationship between the size of an organism and its life span?  
Justify your answer with two examples.
2. Define reproduction. What is its significance?
3. What is asexual reproduction? Mention its features.
4. What is regeneration? Give example.
5. What is vegetative propagation? Why is it called asexual reproduction ?
6. Although potato tuber is an underground part It is considered as a stem. Give two reasons.
7. Which is a better mode of reproduction, sexual or asexual? Why?
8. What is parthenogenesis? Name an animal that shows parthenogenesis.
9. Suggest a possible explanation why the seeds in pea pod are arranged in a row whereas those in tomato are scattered in the juicy pulp.

### **THREE MARKS QUESTION**

1. What is sexual reproduction?. Mention its features.
2. Distinguish between asexual and sexual reproduction.
3. Higher organisms have resorted to sexual reproduction in spite of its complexity  
Why?
4. What are the differences between menstrual cycle & oestrus cycle?
5. Write the differences between Gametogenesis & Embryogenesis.
6. What are the differences between external fertilization & internal fertilization?
7. Write the differences between oviparous & viviparous animals.
8. What is bisexual flower? Write common & scientific names of any one bisexual flowers.
9. What is a seed? Name the plants having the largest and smallest seed.

**FIVE MARKS QUESTIONS**

1. Explain the process of asexual reproduction in amoeba and yeast cells with the help of diagrams.
2. Explain the events of sexual reproduction.
3. Fertilization leads to the formation of embryos.
  - a) Give the technical term for the development of embryo.
  - b) What are the events that occur during embryo development?
  - c) The development of the zygote depends on two factors. What are they?
  - d) How will you categorize animals based on the development of zygote outside or inside the female body.
  - e) How does zygote in fungi & algae overcome desiccation?

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