

ATOMIC ENERGY EDUCATION SOCIETY, MUMBAI

WORKSHEET - 1

REPRODUCTION IN ORGANISMS

SUBJECT: BIOLOGY

CLASS XII

NAME: _____ ROLL NO: _____ DATE: _____

MAXIMUM MARKS : 30

MARKS OBTAINED _____

YOUR ANSWERS SHOULD BE BRIEF AND RELEVANT.

ONE MARK QUESTIONS:

1. All papaya plants bear flowers, but fruits are seen in some. Give reason. (1)
2. How does penicillium reproduce asexually. (1)
3. What is the vital link between two generations? (1)
4. Name the kind of reproduction in bees in which drones are produced. (1)
5. Give term for the condition in which a single organism possesses both sex organs. (1)
6. The number of chromosomes in the shoot tip of a rice plant is 20. What would be the number of chromosomes in the microspore mother cell of the same plant. (1)
7. List any two vegetative propagules in the flowering plants. (1)
8. What is a meiocyte ? (1)
9. Mention a characteristic feature and a function of zoospores in some alga. (1)
10. In haploid organisms that undergoes sexual reproduction, name the stage in the life cycle when meiosis occurs. (1)

TWO MARK QUESTIONS

11. Define oestrous and monstous cycle. (2)
12. List out the changes that occur post-fertilisation in plants. (2)
13. How does zygote differs from zoospores. (2)
14. What is juvenile phase in organisms? (2)

15. What is fragmentation? Give two examples. (2)
16. Write two major adaptations in organisms exhibiting external fertilisation. (2)
17. What is parthenogenesis? Give two examples. (2)
18. The cell division involved in gamete formation is not of the same type in different organisms. Why? (2)
19. Cucurbits are referred to as monoecious. Justify. (2)
20. Why do dogs and cats have oestrous cycle while human beings have menstrual cycle, though all are mammals. (2)
