

Class-XII
BIOLOGY (044)
Chapter-1 (Reproduction in Organism)
ASSIGNMENT-1 (Theory Exam-70, Practical Exam-30)
(One mark)

1. How is continuity of species maintained generation after generations?
2. Why are no variations seen in clones? State two reasons.
3. How does penicillium reproduce asexually?
4. Name one organism where chain budding is found.
5. Name the vegetative propagules in (i) Potato (ii) Pistia.
6. Name the unique flowering phenomenon exhibited by *Strobilanthus kunthiana* (Neelakuranji).
7. Which is better mode of reproduction: sexual or asexual? Why?
8. Why is the offspring formed by asexual reproduction referred to as clone?
9. Differentiate between a Zoospore and a Zygote.
10. Differentiate between Gametogenesis from embryogenesis.

(Two mark)

11. Define external fertilization. Mention its disadvantages.
12. Define (i) Juvenile phase (ii) Reproductive phase (iii) Senescent phase
13. Why are offspring of oviparous animals at a greater risk as compared to Offspring of Viviparous animals?
14. Explain the significance of meiocytes in a diploid organism.
15. Explain the importance of syngamy and meiosis in a sexual life cycle of an Organism.
16. Why are mosses and liverwort unable to complete their sexual mode of Reproduction in dry conditions? Give reasons.
17. State the difference between external and internal fertilization.
18. Differentiate between an annual and a biennial plant. Provide one example of Each.
19. How does the floral pattern of Mediterranean orchid *Ophrys* guarantee cross-Pollination?
20. Out of many papaya plants growing in your garden, only a few bear fruits. Give Reason.

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