

# REPRODUCTION IN ORGANISMS

1. Find out incorrect statement :

- (1) Period from birth to natural death called life span
- (2) Life span of organisms are necessarily correlated with their size
- (3) Except single celled organisms, all others are mortal
- (4) Reproduction enables the continuity of species, generation after generation

2. Match the following (with respect to life span) :

A. Dog	(I) 200-300 years
B. Butterfly	(II) 20 years
C. Rice plant	(III) 1-2 week
D. Banyan Tree	(IV) 3-4 month

- (1) A(II), B(III), C(IV), D(I)
- (2) A(III), B(II), C(IV), D(I)
- (3) A(II), B(III), C(I), D(IV)
- (4) A(III), B(IV), C(II), D(I)

3. Regarding to reproduction which of the following statement is correct :

- (1) Asexual reproduction is common among multicellular plants and animals
- (2) In monerans cell division itself is a mode of reproduction
- (3) During bud formation in yeasts meiotic division occurs
- (4) In fungi, fission is most common method of asexual reproduction

4. "Water hyacinth" or *Eichhornia* is one of the important problematic weed of static water in India. Which of the following statement is incorrect about it :

- (1) It is also known as "Terror of Bengal"
- (2) It is native plant of India
- (3) It increases biological oxygen demand of waterbody
- (4) It spreads rapidly through vegetative reproduction

5. What is the duration of juvenile phase in bamboo and interflowering period of *Strobilanthes kunthiana* respectively :

- (1) 50-100 years and 21 years
- (2) 50-100 years and 12 years
- (3) 25-300 years and 12 years
- (4) 25-30 years and 21 years

6. Interaction of which of the following factors regulate the reproductive processes and the associated behavioral expression of organisms :

- (1) Only hormones
- (2) Only environmental factors
- (3) Both (1) and (2)
- (4) Photosynthetic efficiency

7. Which of the following is not a distinct stage of sexual reproduction :

- (1) Pre gametogenesis stage
- (2) Pre fertilisation stage
- (3) Fertilisation stage
- (4) Post fertilisation stage

8. Match the following regarding to number of chromosomes in meiocyte :

- |                         |           |
|-------------------------|-----------|
| (A) <i>Ophioglossum</i> | (i) 20    |
| (B) Apple               | (ii) 24   |
| (C) Rice                | (iii) 34  |
| (D) Maize               | (iv) 1260 |

- (1) A(iv), B(iii), C(i), D(ii)
- (2) A(iv), B(i), C(ii), D(iii)
- (3) A(iv), B(ii), C(iii), D(i)
- (4) A(iv), B(iii), C(ii), D(i)

9. Where does syngamy occur in algae?

- (1) In archegonium
- (2) In water or oogonium
- (3) In Ovary
- (4) In the soil

10. From the formation of embryo point of view, which of the following plant group is the odd one :

- (1) Algae
- (2) Bryophytes
- (3) Pteridophytes
- (4) Gymnosperms

11. Which of the following plant possess non motile male gametes :

- (1) *Marchantia*
- (2) *Pteridium*
- (3) *Ginkgo*
- (4) *Pisum*

12. Which of the following structure is the vital link that ensures continuity of species between organisms of one generation and the next :

- (1) Endosperm
- (2) Zygote
- (3) Embryo
- (4) Sex organs

**13.** First cell of sporophytic generation is :

- (1) Gamete (2) Spore  
(3) Zygote (4) Embryo

**14.** During embryogenesis zygote go through which of the following process/processes :

- (1) Cell division  
(2) Cell differentiation  
(3) Both 1 and 2  
(4) Either cell division or cell differentiation

**15.** Sexual reproduction is of isogamous type in :-

- (1) *Riccia* (2) *Selaginella*  
(3) *Cladophora* (4) *Cycas*

**16.** Find out the incorrect statement :

- (1) Cucurbits are monoecious plants  
(2) Papaya is a dioecious plant  
(3) Meiocytes are haploid  
(4) Male gametes are transferred through pollen tube in spermatophytes

**17.** Which of the following is a dioecious plant :

- (1) Datepalm (2) Cucumber  
(3) Maize (4) *Chara*

**18.** Cultivation of floral plants is known as

- (1) Horticulture (2) Floriculture  
(3) Sericulture (4) Vermiculture

### ANSWERS KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Ans.	2	1	2	2	2	3	1	4	2	1	4	2	3	3	3	3	1	2	