

**EXERCISE – I (Conceptual Questions)****Build Up your Understanding**

- Cell division is itself a mode of reproduction in :-  
 (1) Protista & all fungi (2) Protista only  
 (3) Monera fungi & higher plants (4) Protista & Monera
- Most common special asexual reproductive structure seen in member of algae is :-  
 (1) Zoospore (2) Conidia (3) Sporangia spore (4) Gemmule
- Short horizontal branch which is one internode long and produces a cluster of leaves above and cluster of roots below is called :-  
 (1) Stolon (2) Offset (3) Rhizome (4) Bulbil
- Find out the incorrect statement :-  
 (1) Period from birth to natural death is called life span  
 (2) Life span of an organism are necessarily correlated with their size  
 (3) Except single celled organism all other are mortal  
 (4) Reproduction enable the species generation after generation
- Regarding the reproduction which of the following statement is correct :-  
 (1) Asexual reproduction is common among multicellular plants & animals  
 (2) In monerans cell division itself a mode of reproduction  
 (3) Yeast undergo equal type cell division to produce bud  
 (4) In fungi fission is most common method of asexual reproduction
- Water hyacinth or Eichhornia is one of the problematic weed of static water in India. Which of the following statement is incorrect about it :-  
 (1) It also known as 'Terror of Bengal'  
 (2) It is native plant of India  
 (3) It increases biological oxygen demand of water body  
 (4) It spread rapidly through vegetative reproduction.
- Select the odd one out with respect to life span  
 (1) Life span of organism are not correlated with their size  
 (2) Crows and parrots show wide difference in their life span  
 (3) Life span of rice is 3-4 weeks  
 (4) It is the period between birth and natural death of an organism
- Write down the name of fleshy bud that produces new plant in Agave  
 (1) Bulbil (2) Bulb (3) Rhizome (4) Offset
- Match the following
 

<b>Column-I</b> <b>Plant</b>	<b>Column-II</b> <b>Vegetative reproduction by</b>
(a) Turmeric	(i) Stolon
(b) Crocus	(ii) Rhizome
(c) Vallisneria	(iii) Aerial Shoot
(d) Opuntia	(iv) Corm
(1) a-(i), b-(iv), c-(iii), d-(ii)	(2) a-(ii), b-(iv), c-(i), d-(iii)
(3) a-(iv), b-(ii), c-(iii), d-(i)	(4) a-(ii), b-(i), c-(iv), d-(iii)

10. The fleshy bud which produces new plants in hydrophytes is known as  
 (1) Bulbil (2) Sucker (3) Turion (4) Runner
11. Select the incorrect match :-  
 (1) Asexual reproduction – Somatogenic reproduction  
 (2) Sexual reproduction – Fusion of gametes  
 (3) Vegetative propagation – Rhizome  
 (4) Clone – Morphologically similar, genetically dissimilar

ANSWER KEY											
Que.	1	2	3	4	5	6	7	8	9	10	11
Ans.	4	1	2	2	2	2	3	1	2	3	4