

# Biology

1. The habitat related with presence of sunken stomata in leaves is  
(1) Hydrophytic (2) Mesophytic (3) Xerophytic (4) Cryophytic

**Ans.** (3)

**Sol.** Sunken stomata is present in Xerophytic plants to reduce loss of water (Transpiration).

2. Micronutrient element is  
(1) Nitrogen (2) Zinc (3) Magnesium (4) Potassium

**Ans.** (2)

**Sol.** Micro nutrients elements are Iron, Manganese, Copper, Molybdenum, Zinc, Boron, Chlorine and Nickel .

3. Coralloid root is found in  
(1) Cycas (2) Pinus (3) Marsilia (4) Azolla

**Ans.** (1)

**Sol.** Coralloid roots are present in root of cycas (Gymnosperm) plant. It is associated with  $N_2$  fixing cyanobacteria (Blue Green Algae)

4. The root of which plant is used as medicine?  
(1) Curcuma longa (2) Aloe vera  
(3) Rauwolfia serpentina (4) Papaver Somniferum

**Ans.** (3)

**Sol.** The root of rauwolfia serpentina is used as medicine. It is used as antihypertensive medicine.

5. Phenotypic ratio of  $F_2$  generation in dihybrid cross is  
(1) 3 : 1 (2) 9 : 3 : 3 : 1 (3) 1 : 2 : 1 (4) 2 : 1

**Ans.** (2)

**Sol.** 9 : 3 : 3 : 1 phenotypic ratio in the  $F_2$  generation is obtained in a dihybrid cross, and is called the Dihybrid ratio.

6. How many biodiversity hotspots are there in the world?  
(1) 25 (2) 33 (3) 20 (4) 34

**Ans.** (4)

**Sol.** Initially 25 Biodiversity hotspots were Identified but subsequently nine more have been added to this list. Total Number of biodiversity hotspots are 34.

7. From which district of Rajasthan did Chipko movement begin?  
(1) Jodhpur (2) Jaipur (3) Ajmer (4) Jaisalmer

**Ans.** (1)

**Sol.** Chipko movement had taken place in 1731 in Jodhpur (Rajasthan).

8. The part of human brain, which controls involuntary actions is  
(1) Cerebrum (2) Cerebellum (3) Medulla oblongata (4) Optic lobe

**Ans.** (3)

**Sol.** Most of the Involuntary actions are controlled by Medulla oblongata.

9. The disease caused by protein deficiency in food is  
(1) Kwashiorkor (2) Scurvy (3) Pellagra (4) Rickets

**Ans.** (1)

**Sol.** The disease which is caused by protein deficiency is kwashiorkor.

10. The parts of large intestine are  
(1) Duodenum, Ileum, Colon (2) Caecum, Colon, Rectum  
(3) Duodenum, Jejunum, Ileum (4) Jejunum, Ileum, Caecum.

**Ans.** (2)

**Sol.** Caecum, Colon and rectum are the parts of large intestine.

11. The hormone, not secreted by ovary is  
(1) Testosterone (2) Estrogen (3) Progesterone (4) Relaxin

**Ans.** (1)

**Sol.** Estrogen, Progesterone and Relaxin are secreted by ovary (Female) and Testosterone is secreted by testis (Male).

12. Pseudocoelomate animals are  
(1) Aschelminthes (2) Annelids (3) Arthropods (4) Molluscs

**Ans.** (1)

**Sol.** Pseudocoelomate (false coelome) is present in Aschelminthes.

13. Protozoan disease is  
(1) AIDS (2) Leprosy (3) Jaundice (4) Malaria

**Ans.** (4)

**Sol.** Malaria is a protozoan disease.

14. The disease caused by deficiency of Vitamin K is  
(1) Haemorrhage (2) Sterility (3) Rickets (4) Scurvy

**Ans.** (1)

**Sol.** Haemorrhage disease is caused by deficiency of Vitamin K.