

## Chapter 7

### MULTIPLE CHOICE QUESTIONS

- |      |       |       |      |
|------|-------|-------|------|
| 1. a | 2. d  | 3. c  | 4. c |
| 5. a | 6. a  | 7. c  | 8. a |
| 9. c | 10. b | 11. a |      |

### VERY SHORT ANSWER QUESTIONS

12. To maintain balance in nature/to conserve the natural ecosystem.
13. Saving paper using recycled paper/donating old books/spreading awareness about harmful effects of deforestation/any other relevant answer.
14. (i) True (ii) False (Plants of a particular area are collectively termed as fauna). (iii) False (Deforestation leads to an increase in the water holding capacity of the soil). (iv) True.
15. Reforestation can take place naturally by leaving the deforested area undisturbed for a long time. But this process takes a long time in terms of years.
16. Satpura National Park.

### SHORT ANSWER QUESTIONS

17. Wildlife sanctuaries are protected areas where human activities like plantation, cultivation, grazing, falling of trees, hunting and poaching are prohibited completely.
18. Endemic organisms are confined to a limited geographical area. They cannot adapt or live outside their natural habitat. Any disturbance to their habitat will adversely affect them.
19. Even small organisms are important in an ecosystem because every organism forms a part of a food chain/food web/ecosystem.

20. Introduction of a new species may affect the existence of local species due to competition.
21. Yes. Soil erosion removes the fertile top layer of the soil thereby, exposing the hard rocky lower layers which are less fertile.
22. The biodiversity found in Panchmarhi Biosphere Reserve is similar to that found in upper Himalayan peaks and lower Western Ghats.
23. Conservation of natural forests and meeting the basic needs of the people living in or near the forests.
24. Biodiversity refers to the variety of organisms existing in the Earth, their interrelationships and their relationship with the environment.

#### LONG ANSWER QUESTIONS

25. Yes. Plants absorb carbon dioxide from the atmosphere for photosynthesis. Deforestation results in decreased number of trees leading to accumulation of carbon dioxide in the atmosphere. Carbon dioxide in the atmosphere traps heat rays reflected by the earth which results in global warming.
26. Deforestation results in decreased water holding capacity of soil. This reduces the infiltration of water into the ground which causes floods. On the other hand, deforestation leads to higher level of carbon dioxide in the atmosphere which causes global warming. Scarcity of trees disturbs the water cycle and may reduce rainfall leading to droughts.
27. To prevent deforestation, save energy and water needed for manufacturing the paper. Chemicals used to manufacture the paper also cause pollution.