



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MODEL PAPER 8

Exercise

1. The organization which publishes the Red list species is

A. WWF

B. ICFRE

C. IUCN

D. UNEF

Answer:



Watch Video Solution

2. What is biodiversity conservation? Describe with example-In-situ and Ex-situ conservation.

A. Sacred grove

B. national park

C. Seed bank

D. Wildlife sanctuary

Answer:



Watch Video Solution

3. Stem of Asparagus is

A. Bulbil

B. Phylloclade

C. Phyllode

D. None of these

Answer:



Watch Video Solution

4. Flattened and wide petiole is called

A. Cladode

B. Phylloclade

C. Phyllode

D. None of these

Answer:



Watch Video Solution

5. During inspiratoin in cockroach the respiratory passage is

A. Air chamber

B. Stigmata

C. Spiracle and trachea

D. longitudinal respiratory tube.

Answer:



Watch Video Solution

6. The photosynthetic units are termed as

A. Microsomes

B. Spherosomes

C. Glyxysomes

D. Quantasomes

Answer:



Watch Video Solution

7. Pigment absent in chloroplast is

A. Chlorophyll

B. Carotene

C. Xanthophyll

D. Anthocyanin

Answer:



Watch Video Solution

8. The lowest water potential is found in the xylem channels of

A. Stem

B. Root

C. Root hair zone

D. Leaves

Answer:



Watch Video Solution

9. Root hairs absorb water when

- A. They respire rapidly
- B. Soil solution is isotonic
- C. Salt concentration of cell sap is high
- D. Salt concentration of soil is high.

Answer:



[Watch Video Solution](#)

10. Presence of phosphorus

- A. bring about healthy root growth
- B. promotes fruit ripening
- C. retards protein formation
- D. None of these

Answer:



[Watch Video Solution](#)

11. What is the significance of as in the study of mineral nutrition

A. it tells what mineral are present in the soil

B. it informs which element is essential and which amount is necessary for a particular plant

C. it is of no practical significance

D. it indicates how much irrigation is needed by the plant.

Answer:



Watch Video Solution

12. The hepatic portal vein is located between the

A. small intestine and the liver

B. pancreas and the small intestine

C. mouth and the stomach

D. hepatic vein and the vena cava.

Answer:



Watch Video Solution

13. Animal that feed discontinuosly

A. must have digestive tracts that permit
storage

B. exhibit extremly rapid digestion

C. are able to avoid predators by limiting their feeding time

D. both (a) and (c)

Answer:



Watch Video Solution

14. Most of the absorption of the products of digestion takes place in humans across the

A. finger like villi of small intestine

B. Squamous epithelium of the oesophagus

C. smooth wall of large intestine

D. convluted walls of the stomach

Answer:



Watch Video Solution

15. Write the location of crypts of Lieberkuhn.



Watch Video Solution

16. Name the artery that carry deoxygeated blood in human



Watch Video Solution

17. Where arcuate artery is found.



Watch Video Solution

18. Fill in the blanks:-

Microbes collect their food form _____ and

_____ organic substance.



Watch Video Solution

19. Mention the full name of CAM. Give one example of CAM plant.



Watch Video Solution

20. In dicot root, cambium develops from secondary meristem. First to happen during secondary growth is

1. cambium becomes active below phloem
2. conjunctive tissue inner to phloem gets active
3. cambium develops from pericycle opposite to protoxylem
4. a wavy ring of cambium develops.



[Watch Video Solution](#)

21. What is algal boom? Write a short note on Chipko movement.



[Watch Video Solution](#)

22. Kelps are



[Watch Video Solution](#)

23. Define double fertilization. Describe fertilization process of flowering plant with a diagram.



[Watch Video Solution](#)

24. What is the function of SA node?



[Watch Video Solution](#)

25. What do you mean by Michaelis Menten constant (K_m)?



[Watch Video Solution](#)

26. What do you mean by neoteny and pedogenesis?



[Watch Video Solution](#)

27. what do you mean by TRH and TSH?



[Watch Video Solution](#)

28. What are the reserve food material in different classes of algae?



[Watch Video Solution](#)

29. What is diatomite?



Watch Video Solution

30. Describe the mouth part of a cockroach.



Watch Video Solution

31. Describe the mouth part of a cockroach.



Watch Video Solution

32. Write two differences between physisorption and chemisorption.



Watch Video Solution

33. Why glucose is a reducing sugar?



Watch Video Solution

34. Define: Zona pellucida, Corona radiata.



Watch Video Solution

35. DNA replication is not possible without cell division. Justify this statement



Watch Video Solution

36. How mycorrhizal association is helpful in absorption of water and minerals in plants.



Watch Video Solution

37. Write the role of root pressure in water movement in plants.



Watch Video Solution

38. Write the significance of glycolysis in respiration



Watch Video Solution

39. Write about negative feedback of thyroxine secretion



Watch Video Solution

40. What do you mean by Neurohypophysis?
Write its function.



Watch Video Solution

41. Give example of
hyperglycemic hormone



Watch Video Solution

42. Give example of
Blood pressure counting hormone.



Watch Video Solution

43. Give example of
proteins of muscle



Watch Video Solution

44. Give example of
outer membranes of axon of nerve cell



Watch Video Solution

45. Give example of

Layers of meninges



Watch Video Solution

46. Give example of

muscle showing no fatigueness.



Watch Video Solution

47. Discuss various factors that influences enzyme action.



Watch Video Solution

48. What is feed back inhibition? How does it differ from genetic repression.



Watch Video Solution

49. Calculate the production of ATP, CO_2 and water in respiration.



Watch Video Solution

50. Mention the relationship between respiration and photosynthesis.



Watch Video Solution

51. Write the role of SA node and AV node in heart functions.



Watch Video Solution