



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MODEL PAPER 15

Exercise

1. During the Occurance of spontaneous process, free energy-

A. increases

B. is not liberated

C. remains constant

D. decreases

Answer:



Watch Video Solution

2. Animals spending winter in dormant condition is referred to

A. mimicry

B. hibernation

C. camouflage

D. aestivation

Answer:



Watch Video Solution

3. Closed vascular bundles are the ones which

A. Contain cambium

B. Lack cambium

C. Lack xylem

D. Possess lysigenous cavity

Answer:



Watch Video Solution

4. Multilayered epidermis is found in

A. Ficus

B. Datura

C. Pea

D. Fern

Answer:



Watch Video Solution

5. Cartilage is formed by

A. osteoblast

B. fibroblast

C. chondrocytes

D. osteocytes.

Answer:



Watch Video Solution

6. Cell division is initiated in plant by

A. Cytokinin

B. Auxin

C. Gibberellin

D. Abscisic acid

Answer:



Watch Video Solution

7. Zygotic meiosis can be traced in:

1. Funaria
2. Dryopteris
3. Puccinia
4. Chlamydomonous

A. Funaria

B. Dryopteris

C. Puccinia

D. Chlamydomonous.

Answer:



Watch Video Solution

8. In floating leaves like Nymphaea and Nelumbo leaves are

A. Epistomatic

B. Amphistomatic

C. Hypostomatic

D. Astomatic

Answer:



Watch Video Solution

9. Apple, mulberry types of leaves are:

1. Epistomatic

2. Hypostomatic

3. Amphistomatic

4. Astomatic

A. Epistomatic

B. Hypostomatic

C. Amphistomatic

D. Astomatic

Answer:



Watch Video Solution

10. Phylum Protozoa is classified on the basis of

- A. The acid growth hypothesis
- B. Auxin-ethylene balance hypothesis
- C. Sodium potassium pump hypothesis
- D. Osmotic pressure hypothesis.

Answer:



Watch Video Solution

11. Which one of the following pair is correctly matched?

A. Auxin-cell division

B. Giberellin-intermodal elongation

C. Cytokini-fruit ripening

D. Ethyleneapical dominance

Answer:



Watch Video Solution

12. Chloride shift is called:

1. Co-toxicity

2. Haldane effect

3. Bohr effect

4. Hamburger's phenomenon

A. Co-toxicity

B. Haldance effect

C. Bohr effect

D. Hamburger's phenomenon.

Answer:



Watch Video Solution

13. In $Na^+ - K^+$ Pump of active transport there is

- A. influx of Na^+ and efflux of K^+
- B. efflux of Na^+ and influx of K^+
- C. influx and efflux of Na^+ only
- D. only efflux of Na^+

Answer:



Watch Video Solution

14. In the formation of Acetyl Co-A from pyruvic acid in mitochondria, pyruvic acid gets

1. oxidised
2. decarboxylated
3. both (1) and (2)
4. reduced and isomerised

A. oxidative phosphorespiration

B. oxidative decarboxylation

C. oxidative phosphorylation

D. oxidative hydrogenation.

Answer:



Watch Video Solution

15. From where lateral root originate?



Watch Video Solution

16. In which flower the ovary is superior?



Watch Video Solution

17. What is gerontology?



Watch Video Solution

18. What is dyspnea?



Watch Video Solution

19. Write the full form of COPD.



Watch Video Solution

20. Write true or false:

Vasa recta plays no role in counter-current system.



Watch Video Solution

21. What do you mean by holophytic nutrition.



Watch Video Solution

22. What are capsomeses?



 [Watch Video Solution](#)

23. Write functions of carotene.

 [Watch Video Solution](#)

24. What is haemolymph?

 [Watch Video Solution](#)

25. What is mitotic apparatus?



 [Watch Video Solution](#)

26. What is mitotic apparatus?



[Watch Video Solution](#)

27. What do you mean by sigmoid growth curve?



[Watch Video Solution](#)

28. Write differences between autotrophs and heterotrophs.



Watch Video Solution

29. What do you mean by Tachycardia and bradycardia?



Watch Video Solution

30. What do you mean by ETC?



[Watch Video Solution](#)

31. Write the objective of classification.



[Watch Video Solution](#)

32. Draw a labelled diagram of alimentary canal of a cockroach.



[Watch Video Solution](#)

33. What are spermatheca? Where they are situated? What is the function of spermatheca?



Watch Video Solution

34. State three function of parenchyma.



Watch Video Solution

35. State the difference between centromere and chromomere.



Watch Video Solution

36. Accroding to 'Finch and klug'. State the solenoid model of nucleosome.



Watch Video Solution

37. What are the differences between euchromatin and heterochromatin?



Watch Video Solution

38. Write differences between PS I & PS II.



Watch Video Solution

39. Write three differences between vegetative growth and reproductive growth.



[Watch Video Solution](#)

40. What is cardiac cycle? Name the instrument with which clinically blood pressure is measured and from which blood vessel.



[Watch Video Solution](#)

41. State why lack of oxygen occurs in the body in carbon monoxide poisoning.





[Watch Video Solution](#)

42. State the changes in red bone marrow during acclimatisation.



[Watch Video Solution](#)

43. Briefly describe the cytokinesis in plant and animal cell.



[Watch Video Solution](#)

44. State the difference between mitosis and meiosis in respect to metaphase.



Watch Video Solution

45. Define CAM.



Watch Video Solution

46. Discuss the mechanism and significance of Hatch and slack pathway in photosynthesis.



Watch Video Solution

47. How protein is digested in human alimentary canal?



[Watch Video Solution](#)