



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MODEL PAPER 14

Exercise

1. Which of the following is not related to light perception?

A. rhodopsin

B. perilymph

C. choroid

D. lens

Answer:



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2. The most extensively developed region of most mammalian brains is

A. optic chiasma

B. midbrain

C. hypothalamus

D. cerebrum

Answer:



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3. Which of the following is not a site of transduction in some sensory structure?

A. organ of corti

B. olfactory hair cells

C. macula

D. ganglion cells

Answer:



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4. Which of the following is an essential part of photosynthesis?

A. photolysis of water

B. plasmolysis

C. photorespiration

D. glycolysis

Answer:



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5. A cell that lacks chloroplast does not

A. evolve CO_2

B. liberate O_2

C. require water

D. utilise carbohydrate.

Answer:



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6. The red drop is due to the disruption of photchemical activity of

A. PS I

B. PS II

C. PS I and PS II

D. carotenoid.

Answer:



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7. Name the proteins presents in the A band and I band of a muscular tissue 21.



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8. Agar-agar is obtained from

A. Gelidiella

B. Ulothrix

C. Spriogyra

D. Chlorella

Answer:



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9. Who first discovered ribozyme?

A. Kuhne

B. Cech et al

C. Northrop

D. Summer

Answer:



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10. Blood cells of cockroach

A. leucocytes

B. amoebocytes

C. haemocytes

D. erythrocytes

Answer:



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11. Anal cerci is present in cockroach

A. in male cockraoch

B. in female

C. in both

D. none of these

Answer:



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12. Non-essential floral organs without
different and corolla are called

A. Thalamus

B. Pedicel

C. Perianth

D. Lodicules

Answer:



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13. Which one is most abundant protein in the animal world?

A. Insulin

B. Collagen

C. Haemoglobin

D. Trypsin

Answer:



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14. Motile zygote of Plassmodium occurs in

- A. Gut of female Anopheles
- B. Salivary gland of Anopheles
- C. Human liver
- D. Human RBCs.

Answer:



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15. Give full form of IAA and 2,4-D.



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16. Name the unit of oxidative phosphorylation.



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17. What type of cells are present in root cortex?



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18. Name the bile pigments.



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19. Which enzyme helps to digest the fat in humans?



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20. Name the respiratory muscle used in inspiration.



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21. What is taxonomic hierarchy.



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22. Write roles of zoological parks.



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23. What are root buttresses?



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24. What are homophyll and heterophylly?



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25. Describe the 'induced fit' model of enzyme action. What do you mean by allosteric

enzyme?



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26. Give two examples of photosynthetic bacteria.



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27. What do you mean by metamorphosis?
Give example.



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28. Explain why trachea does not collapse?



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29. Briefly describe the different stages of taxonomy.



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30. Write a brief notes on Species Concept.



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31. State three differences between true root and adventitious root.



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32. Briefly state three physiological functions of root.



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33. State three features of cardiac muscles.



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34. Difference between Enzyme and Inorganic Catalyst.



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35. What are snRNA, Telomere rRNA and gRNA.



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36. What do you mean by prosthetic group and co-enzyme?



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37. Write the difference between transpiration and guttation.



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38. How do rise in temperature and increased wind velocity affect transpiration?



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39. Write normal percentage of O_2 and CO_2 of alveolar air.



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40. What is vital capacity? Write its value.



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41. What do you mean by Fick's principle?



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42. Mention three types of RNA and their functions.



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43. Give the classification of enzymes.



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44. What is glycolysis? Write down the sequences of reactions that occurs in glycolysis in tabular form.



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45. Describe the composition and function of gastric juice.



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