



BIOLOGY

BOOKS - UNITED BOOK HOUSE

PURBA KHEHYRBERI PAPER

Exercise

1. Choose the odd one write it:

A. 1.Cerebrum

B. 2.Cerebellum

C. 3.Thalamus

D. 4.Hypothalamus

Answer:



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2. When you visit the doctor after seeing your grandfather's eye problem. He said that it is the problem of accommodation in his eye.

Analyze which part of the eye ball is related to this function?



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3. Given below a pair of related terms. Write suitable Word in the gap of second pair, following the relationship in the first pair.

body of mother cell , Diploid :: Reproductive cell :



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4. In the stage of human development where limbs become developed and wants to be self-reliant in action, choose that stage from the brackets— (Childhood, Adolescence, Adulthood, Senescence)



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5. In a monohybrid cross if the ratio of phenotype and genotype is 1 : 2: 1 then what situation it is indicating?



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6. Write down the main adaptation observed to reduce transpiration in xerophyte.



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7. Among the following four terms three include the other one. Find out that term and write it :

Destroy the mangrove forest for urbanization,
Environmental problems in Sundarbans, island

immersion, Disturbance in the number of prey & predator.



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8. A man feels breathing difficulties While getting up the stairs, doing heavy work, running -Judge which disease you think he has been infected?



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9. Determine what kind of movement listed below are:

The stem and branches grow towards the source of light



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10. Determine what kind of movement listed below are:

Sperm of moss attracted towards ovum in the attraction of malic acid.





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11. Name the plant hormones related with following function:

Break dormancy of bud and seed



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12. Name the two plant hormones related with following function:

Construt callus in the wound.



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13. Evaluate what work could disrupt if injuries happen in forebrain?



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14. Name any four reflex action that is done to avoid sudden danger to you.



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15. Write down the differences between DNA and RNA based on the following points-

Presence of carbohydrate



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16. Distinguish between DNA and RNA based on the following features:

Pyrimidine base



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17. Mention the carrier pollinate the under stated plant:

Wheat



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18. Prepare a chart with carieer polinate the under stated plant:

Stinging nettle



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19. Enlist the carrier that helps the given plant to pollinate-

Mango.



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20. Enlist the carrier that helps the given plant to pollinate-

Shimul



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21. State the difference between sexual and asexual reproduction based on the following characteristic:

Gamete formation



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22. Distinguish between asexual and sexual reproduction on the basis of following features:

Number of Parents





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23. Judge the conventional concept of determining gender with scientific fact.



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24. Write one merit and one demerit of self pollination.



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25. Establish a relationship between cell-cycle and cancer



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26. List the names of various organic compounds produced in the experiment by Miller and Urey.



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27. Analyze with a recent event, if a huge forest fire is created what struggle could the animals do for their existence in life.



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28. Explain how a worker bee inform other worker bee about food source & location.



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29. Analyze-Lightning plays a vital role in nitrogen fixation in nature although it causes harm to people and environment.



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30. Evaluate the problems for biodiversity created for eutrophication.



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31. Prove the accuracy of the statement-'Air pollution is one of the leading causes of infant mortality'.



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32. Describe the role of cyropreservation in conservation of bio-diversity.



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33. Draw a neat diagram of the cross section of eye-ball of human and label the following parts:

Cornea, Retina, Vitriuous humor, Lens.



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34. Draw a neat diagram of human eukaryotic chromosome and label of the following parts-
Chromatid, Centromere, Telomere, Nucleoler organizer.





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35. Write down the function of part of the eye ball as given:

Cornea



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36. Write one function for the following part of the human eyeball:

Retina



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37. Draw a neat diagram of the cross section of eye-ball of human and label the following parts:

Cornea, Retina, Vitrious humor, Lens.



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38. Write one function for the following part of the human eyeball:

Lens



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39. Write differences between plant and animal mitosis based on the following characters:

Construction of spindle



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40. Write differences between plant and animal mitosis based on the following characters:

Process of Cytokinesis.

State the significance of meiosis cell division for keeping the chromosome number constant in species.



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