



BIOLOGY

BOOKS - SHARAM PUBLICATION

SET 17

Exercise

1. Apomixis can be defined as:

A. sexual reproduction

B. reproduction that does not involve meiosis and fertilization

C. reproduction where seeds are formed but without meiosis and fertilization

D. multiplication of plants simply by vegetative methods

Answer:



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2. Which does make egg apparatus?

- A. Synergids + antipodals
- B. antipodals + central cell
- C. synergids + egg cell
- D. egg cell + central cell

Answer:



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3. A bisexual flower which never opens in its lifetimes I called:

A. hemogamous

B. heterogamous

C. dichogamous

D. cleistogamous

Answer:



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4. Fill in the blanks

After fertilization _____ transforms into fruits.



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5. Fill in the blanks

Fusion of male and female gametes is known as _____



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6. Give one word answer:

Give the botanical name of the plant in which linkage was first observed.



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7. Give one word answer:

What is ornithophilly?



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8. Correct the statements:

In layering stem are induced on the root while it is still attached to the parents plants.



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9. Correct the statements by changing the underlined words:

Plants nonidentical to mother plants can be obtained from stem cuttings.



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10. Correct the statements:

Megaspore represents the last cell of female gametophyte.



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11. Write note

Microspore or pollen grains



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12. Write note

Ovule Structure



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13. Write note

Oarthenogenesis



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14. Write note

Allogamy



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15. Write notes on :Law of independent assortment



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16. Differentiate between the following with 2 to 3 important points : Parthenocarpy and Parthenogenesis



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17. Differentiate between with 3 to 4 important points

Pollination and Fertilization



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18. Differentiate between with 3 to 4 important points

Dichogamy and Herkogamy



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19. Discuss the causes of loss of biodiversity



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20. What is genetic material ? Describe griffth and avery's experiments to prove that DNA is the genetic material.



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21. What do you understand by Mendel's laws of inheritance? Prove these laws by using pair of alleles.



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22. What are the major reasons of Mendel's success?



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23. What is the term used for surgical removal of uterus?

- A. Uterus
- B. Prostrate gland
- C. Vas deferens
- D. Mammary gland

Answer:



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24. The forest conservation Act was enacted in

A. 1972

B. 1980

C. 1952

D. 1991

Answer:



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25. Diploid condition where all the alleles are identical is known as?



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26. Which mechanism causes gene to move from one linkage group to another.



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27. In 1869 , _____ discovered the DNA .



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28. The term 'biodiversity' was coined by



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29. Fill in the blank

Thinning of ozone layer is likely to cause



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30. Down's syndrome is due to of chromosome 21.



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31. Fill in the blank

Test cross is used to determine _____



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32. Griffith discovered bacterial transduction in *S.pneumoniae*.



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33. What is follicular phase? Which is hormone initiates the development of follicle in ovary.



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34. What are the functions of placenta ?



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35. Asexual reproduction in Sponges?



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36. What is meant by 'Heredity'?



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37. Answer the following

What are sex chromosomes?



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38. Differentiate between : Broilers and layers



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39. Differentiate between: Down's syndrome
and Turner's syndrome



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40. Differentiate between

DNA and RNA



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41. Describe briefly recombinant DNA technology.



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42. Discuss the sex linked inheritance by taking colourblindness as an example.



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43. Give an account of sex linkage in *Drosophila* and man.



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44. Write note on

Function of placenta



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45. Write note on

Maturation phase in Oogenesis



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46. Write notes with 2 to 3 important points

:Global warming



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47. Write note on

Pyramid of biomass



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