



BIOLOGY

BOOKS - SHARAM PUBLICATION

SET 15

Exercise

1. Who did transformation experiments using strains of *Diplococcus pneumoniae*?

A. Griffith

B. Meischer

C. Mendel

D. Boveri

Answer:



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2. Van Mahotsava is practised for:

A. forest cutting

B. forest planting

C. Forest destruction

D. None of these

Answer:



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3. Trophic levels are formed by :

A. only plants

B. only animals

C. only carnivores

D. organisms linked in foodchains

Answer:



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4. Fill in the blanks

_____ is the development of female gametes into a new individual without fertilization.



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5. Fill in the blanks

Acetobactor converts _____ to vinegar by aerobic fermentation of legumes?



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6. Correct the sentences in each bit without changing the underlined words

The example of regulatory gene is genes of respiratory enzymes.



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7. Correct the statements by changing the underlined words:

Corn is a thick prostrate stem.



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8. Correct the statements by changing the underlined words:

Although could not assign any role of DNA

Morgan discovered DNA in 1869.



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9. Give one word answer:

How many pairs of contrasting characters in pea plants were studied by Mendal in his experiments?



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10. Give one word answer:

Name three components of Nucleic acids.



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11. Write notes

10% Law of energy



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12. Write notes

Split genes



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13. Write notes

Central dogma



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14. Differentiate between

Ovule and Seed



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15. Differentiate between: Self pollination and cross pollination



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16. Differentiate between
DNA and RNA



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17. Describe the process of double fertilization in plants?



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18. Describe Mendel's monohybrid cross experiments and state the laws of inheritance?



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19. Describe the structure of DNA?



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20. What is an operon ?



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21. Where the sperms are temporarily stored?

A. Vas deferens

B. Epididymis

C. Prostrate

D. Cowpers gland

Answer:



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22. Two allelic genes are located on the :

A. same chromosome

B. Two homologous

C. Two non-homologous chromosomes

D. Any two different chromosomes

Answer:



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23. Amoebic dysentery is caused due to

A. E.coli

B. A.proteus

C. E.histolytica

D. P.vivax

Answer:



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24. What is the duration of the erthrocytic cycle in *p. Vivax*?



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25. Breakage, exchange and rejoining of homologous chromosomal segments.



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26. Amniocentesis is the withdrawal of amniotic fluid during



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27. Fill in the blanks

Causative agent of AIDS is _____



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28. MTP is considered safe to how many weeks of pregnancy ?



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29. Fill up the blank

Pre-natal diagnostic technique is known as _____.



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30. Fill in the blanks

Full form of AIDS.



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31. Briefly explain two natural barriers for family planning?



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32. Explain passively acquired immunity.



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33. What is cancer? Give its causes.



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34. Write note

Genome sequencing



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35. What is cleavage? How does it differ from normal cell division?



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36. Differentiate between Filaria and Malaria



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37. Distinguish between primary pollutant and secondary pollutant.



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38. Budding and Fission



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39. What is immunity ? Give an account of cell-mediated immunity.



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40. Give an account of the human female reproductive system,



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41. State the law of independent assortment?



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42. Write notes on : Innate immunity



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43. Write notes on

Colour blindness in man



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44. Write notes on

Surgical methods of family planning



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45. What are the sources of radioactive pollution ?



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