



BIOLOGY

BOOKS - SHARAM PUBLICATION

SET 16

Exercise

1. In Griffith experiment?

A. R strain of bacteria killed mice

B. S strain of bacteria killed mice.

C. Heat killed S strain killed mice.

D. a mixture of heat killed S strain and R strain of bacteria failed to kill the mice.

Answer:



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2. Which can hydrolyse DNA?

A. Protease

B. Ribonuclease

C. anylase

D. deocyribonuclease

Answer:



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3. How many types of nitrogenous bases are present in nucleic acids?

A. 1

B. 2

C. 6

D. 8

Answer:



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4. Fill in the blanks

Delayed ripening in tomato is due to the expression of an enzyme_____



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5. Fill in the blanks

UAG is a _____ codon.



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

The enzyme ligase is responsible for transcription



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7. The process of transmission of characters through generations is known as variation



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8. Correct the statements by changing the underlined words:

The enzyme protease can hydrolyse DNA.



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9. Give one word answer:

Name the part which represents the female gametophyte in angiosperms.



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10. Give one word answer:

One microbe used for the fermentation of bread.



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11. Write note

House keeping genes



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12. Write short note on: Genetic drift



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13. Write note

Anther culture



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14. Differentiate between with 3 to 4 important points

Population and Community



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15. Purines and Pyrimidines



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16. Give evidence of DNA as genetic material.



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17. Give an account of the chemical basis of origin of life.



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18. Give an account of techniques and steps of plant tissue culture?





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19. Give an account of development of female gametophyte in angiosperms.



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20. In human fertilization occurs in :

A. Uterus

B. Vagina

C. Fallopian tube

D. Ovary

Answer:



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21. How many pairs of contrasting characters in pea pod were chosen by Mendel ?

A. Two

B. Three

C. Four

D. Seven

Answer:



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22. Middle piece of sperm contains:

- A. Mitochonfria and gogli body
- B. Axial filament and gogli body
- C. Mitochondria and axial filament
- D. Centriole and golgi body

Answer:



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23. The scientist who proposed theory of pangenesis.



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24. What is implantation?



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25. Fill in the blank

The scientific study of human population is called



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26. Fill in the blank

The method of preserving sperm in frozen condition is called



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27. What is caused by the pathogen *Treponema pallidum*?



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28. Fill up the blanks

_____ is surgical method of male sterilization.



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29. Give the full form of IUD.



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30. Write short notes on : Menstrual cycle



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31. Write note

Applications of DNA fingerprinting



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32. What do you understand by Transcription?

Describe the major steps which occur during this process?



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33. What is HIV ?



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34. What is primordial soup or prebiotic soup?



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35. Carcinoma and Sarcoma.



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36. What is Vaccination and Immunisation ?



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37. Differentiate between :Renewable and non-renewable resources.



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38. Write a note on barrier and surgical method of birth control.



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39. Explain the chromosomal basis of sex-determination in animals.



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40. Describe the chromosomal basic of sex determination in human,honey bee and birds.



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41. Write a note on seminiferous tubules.



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42. Write short note on Down's syndrome



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43. Write notes on : Thalassemia.



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44. Write short note on

Green house effect



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