



BIOLOGY

BOOKS - SHARAM PUBLICATION

SOLVED PAPER 5

Exercise

1. The cross pollination between the same species is also called

A. Hybridization

B. Xenogamy

C. Allogamy

D. Autogamy

Answer:



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2. What is the scientific name of the plant with which Mendel worked?

A. Oenothera tamarckiana

B. Oenothera medelina

C. Pisum sativum

D. Oryza sativa

Answer:



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3. DNA polymerase enzyme was discovered by

A. Kornberg

B. Nirenberg

C. Khorana

D. Ochoa

Answer:



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4. Rhizobium is a _____ type of bacterium

A. parasitic

B. symbiotic

C. epiphytic

D. saprophytic

Answer:



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5. What is the genotypic ratio in F_2 OF Mendelian monohybrid cross?

A. 3:1

B. 1:1

C. 2:1

D. 1:2:1

Answer:



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6. Correct the statements if required, by changing the underlined portions only

The science of heredity and evolution is called genetics.



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7. Correct the statements by changing underlined words only :

Bacillus thuningiensis is a Gram Positive, circula soil bacteria.



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8. Correct the statements if required

Resemblance of one orgnism to another in order to avoid predators is called predation.





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9. Give one words:

The progeny of the breeder seed which is used to produce registered seed



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10. Give one words:

The animals which eat herbivores



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11. Write note on:

Dichogamy



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12. Write note on :

Codominance.



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13. Write short note on the following

DNA fingerprinting



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14. Write short notes on the following

Test cross



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15. Write notes: Incomplete dominance



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16. Differentiate between

Cybrid and Hybrid.



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17. Differentiate between

Aerosol & Smog



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18. Give the structure of embryo sac?



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19. Describe how embryo sac is formed.



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20. Describe initiation step of translation in prokaryotes.



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21. In situ conservation.



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22. Discuss Mendel's dihybrid cross with checker board.



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23. Sex-linked characters are

A. dominant

B. recessive

C. lethal

D. Not inherited

Answer:



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24. Where does a blastopore occur?

A. Morula

B. Blastula

C. Gastrula

D. Neurula

Answer:



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25. White revolution is related with excess production of:

A. fish

B. rice

C. milk

D. meat

Answer:



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26. Number of autosome in human sperm is ---



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27. What is the causative organism of filariasis ?



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28. Fill up the blanks

Generally, the fertilization of mammals occur
in _____



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29. Correct the sentence if required

Loss of memory is known as neuritis.



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30. Fill up the blanks with correct answer(s) :

Sterilization in case of human male is called

____ .



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31. Degenerated corpus luteum is called _____.



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32. Fill up the blanks

Breeding of unrelated animals is called as



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



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34. What is genetic drift?



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35. Mention the causes of drugs addiction?



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36. What is parturition?



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37. What is antibody ?



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38. State what is haemophilia.



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39. Differentiate Holoblastic and Meroblastic cleavage.



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40. Differentiate between the following
Active immunity and passive immunity



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41. Differentiate between of the following
Restriction endonuclease and Ligase.



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42. Explain recombinant DNA technology.



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43. Describe the types of placenta in human female . Add list of function of placenta.



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44. Turner's syndrome and Klinefelter's syndrome.



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45. Write short note on spermiogenesis.



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46. Write note on

Natural methods of family planning.



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47. Write note on

Common cold



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48. Write note on

Patent.



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