



BIOLOGY

BOOKS - SHARAM PUBLICATION

SET 12

Exercise

1. How many types of genotypes will be there F₂ generation of monohybrid cross?

A. 4

B. 3

C. 2

D. 1

Answer:



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2. In which case is the half of the offsprings recessive type?

A. Tt x tt

B. TT x TT

C. TT x tt

D. tt x tt

Answer:



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3. The major reason for extinction of species

is:

A. forest fire

B. hunting

C. habitat destruction

D. their use for food

Answer:



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4. Fill in the blanks:

The science of heredity and variation is called

.....



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5. Fill in the blanks:

A very common disease of wheat that needed resistance breeding was.....



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6. Watson and Griffith proposed the double helical structure of DNA



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7. In Mendel's monohybrid cross, the dwarf phenotype is always homozygous



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8. Correct the statements by changing the underlined words:

Morphine and heroin are stimulants.



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9. Give one word:

Name the stimulant present in tea, cocoa and cola drinks.



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10. Answer the following in one word only.

What was the name given to nucleic acid by Fredrick Meioscher?



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11. Write notes with 2 to 3 important points

Genetic code



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12. Write notes with 2 to 3 important points:

Translation



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13. Write notes with 2 to 3 important points:

Parthenogenesis



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14. Write notes with 2 to 3 important points:

Self- incompatibility



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15. Write notes with 2 to 3 important points:

Green House Effect



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16. Differentiate between

Biomagnification and Eutrophication



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17. Differentiate between

Food Chain and Food Web



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18. Differentiate between

Long day and short day plants.



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19. Describe the main steps of breeding to develop genetic variability in crop plants.



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



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21. Describe briefly about the process of double fertilization with suitable diagram.



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22. Describe briefly recombinant DNA technology.



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23. Ultra violet rays of the sunlight result in formation of

A. CO

B. SO_2

C. Ozone

D. flourides

Answer:



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24. Penetration of ovum by sperm during fertilization is assisted by ----

- A. forms centre of rotation of embryo
- B. establishes axis of cleavage
- C. forms grey crescent
- D. forms dorsal lip of blastopore

Answer:



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25. FILL UP THE BLANKS : The surgical removal of testis is called ____.

- A. Eunuchoidism
- B. salpingectomy
- C. Orchidectomy
- D. tubectomy

Answer:



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26. Who proposed the chromosome theory of inheritance?



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27. Define spermiogenesis and spermiation.



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28. FSH and LH are secreted by gland.



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29. Luteinizing hormone stimulates cells of the testis.



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30. Fill in the blanks with correct answer(s)/
Correct the underlined portion of the sentences.

The process which transforms zygote to morula is called



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31. What is the gestation period for human?



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32. The full form of HCG _____



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33. What is the significance of fertilization ?



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34. Filariasis / elephantiasis is caused by:



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35. Explain the theory of recapitulation.



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36. What is AIDS? How can it be prevented?



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37. What is the importance of Spermatogenesis?



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38. Differentiate between of the following Antigen and Antibody



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39. Differentiate between of the following

Fertilizin and Anti fertilizin



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40. Differentiate between of the following

Communicable disease and sexually transmitted disease.



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41. Explain chromosomal theory of sex determination.



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42. Give an account of Mendel's law of segregation?



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43. State the law of independent assortment?



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44. Write note on

Cloning



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45. Write a short note on types and causes of cancer.



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46. Write notes on any two of the following:

Human male reproductive system



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47. Restrict to 2 or 3 important sentences.

Explain transgenic animals.



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