



BIOLOGY

BOOKS - UNITED BOOK HOUSE

2017 QUESTION PAPER

Exercise

1. Bt-cotton is resistant against-

A. salt

B. herbicide

C. insect

D. brought

Answer:



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2. Removal of anthers from a flower during hybridization process is known as -

A. crossing

B. Emasculation

C. Isolation

D. Sterilization.

Answer:



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3. In which of the following ex-situ conservaion is achieved?

A. National Park

B. Zoological garden

C. Sanctuary

D. Biosphere reserve

Answer:



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4. In dihybrid cross, the test cross ratio will be

A. 9: 3: 3: 1

B. 1: 1: 1: 1

C. 1:1:

D. 1: 1

Answer: 15: 1



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5. The type of RNA which is required for translation process is-

A. mRNA

B. t-RNA

C. r-RNA

D. all of these

Answer:



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6. Unit of Gynoecium is -

A. Carpel

B. Ovary

C. Stamen

D. Oyule.

Answer:



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7. Which one of the following is an example of chemical method of contraception?

A. Vasectomy

B. Condonm.

C. IUD

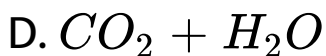
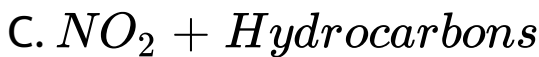
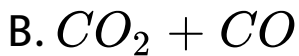
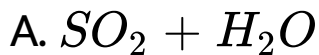
D. Dia-phragm.

Answer:



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8. Photochemical smog is created by -



Answer:



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9. Which one of the following organelles is associated with Genetic Engineering?

A. Lysosome

B. Mitochondria

C. golgi body

D. Plasmid.

Answer:



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10. Which one of the following animals has become extinct from India?

A. Indian elephant

B. Cheetah

C. Hyena

D. Snow leopard.

Answer:



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11. A nitrogen fixing microbe associated with Azolla is

A. Anabaena

B. spirullina

C. Tolypothrix

D. Nostoc

Answer:



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12. Example of a sex disease is -

- A. Phenylketoneuria
- B. Albinism
- C. Haemophilia
- D. Sickle cell anaemia.

Answer:



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13. The chromosome number of a spore mother cell of an angiosperm is 38. What will be the chromosome number of its endosperm cell?

A. 38

B. 19

C. 57

D. 76

Answer:



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14. Testosterone is secreted from-

- A. Sertoli cell
- B. Leydig cell
- C. Seminiferous tubules
- D. Spermatogonial cell.

Answer:



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15. Mention the scientific name of the microbe responsible for gonorrhoea.



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16. Give the scientific name of the microbe responsible for typhoid.



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17. What do you mean by False fruit?



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18. Give an example of a parasitic adaptation in animal.



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19. Define carrying capacity.



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20. Write the name of the enzyme which joins the Okazaki fragments.



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21. What is self-sterility?



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22. What is colostrum?





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23. What is Codominance? Give an example.



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24. What is drug abuse? Give an example each of a stimulant and a tranquilizer drug.



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25. Give the full name of HIV. What is AIDS?



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26. What do you mean by 'Human insulin'?



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27. What is 'Red data' book? What do you mean by cryo-preservation?



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28. What are the effects of ozone layer depletion?



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29. Distinguish between Isogamy and Anisogamy. What is Zoospore?



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30. Mention the changes in the ovary during menstrual cycle.



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31. Mention briefly the initiation phase of Translation process.



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32. Describe the significance of Hardy-Weinberg's principle.



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33. What do you mean by multiple allele? Explain it with the example of human ABO blood group.



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34. What is antigen? Describe the types of immunity?



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35. Name the causal organism of Ascariasis. Describe its mode of transmission.



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36. Name one exotic carp. What is hypophysation?



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37. What is BOD? Briefly describe the sewage treatment process.



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38. Define Genetic Engineering. Mention the steps of Genetic Engineering process.



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39. What do you mean by. Transgenic plant?

Give one example.



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40. Write a short note on Gene therapy.



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41. Mention the causes of deforestation.



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42. What do you mean by Population?

Describe Halophytic adaptation in plants.



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43. Describe briefly the process of double fertilization in Angiosperms. What is parthenogenesis?



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44. Describe in brief the female reproductive system of human with diagram.



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45. What is Genetic Code? Mention the main features of Transcription process.



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46. Write down the characteristics of Klinefelter's syndrome and Turner's syndrome. Mention the chromosomal abnormalities in each of the above mentioned cases.



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47. Mention the sources of air pollution and describe briefly its ill effects on human health.



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