



BIOLOGY

BOOKS - SHARAM PUBLICATION

SOLVED PAPER 3

Exercise

1. Secondary nucleus is also known as:

A. Generative nucleus

B. Tube nucleus

C. Definitive nucleus

D. Primary endosperm nucleus

Answer:



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2. What are the gene pair signifying a trait called?

A. Hybrid

B. Phenotype

C. Pure line

D. Alleles

Answer:



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3. The study of heredity and variation of organisms is called

A. morphology

B. cytology

C. genetics

D. evolution

Answer:



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4. Vinegar is _____ acid

A. Acetic

B. Citric

C. Lactic

D. Ascorbic

Answer:



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5. In which case, root pockets are seen

A. Xerophytes

B. Mesophytes

C. Halophytes

D. Hydrophytes

Answer:



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6. Correct the bits, if necessary,

An organism in which both the genes for a character are similar is known as heterozygous.



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7. Correct the bits, if necessary, by changing the underlined words only.

The synthesis of RNA on DNA template is called translation.



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8. Correct the bits, if necessary, by changing the underlined words only.

Transcription begins when tRNA binds to a promoter site.



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9. Correct the bits, if necessary, by changing the underlined words only.

UAA codes for methionine.



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10. Correct the statement if required by changing of underlined words only.

Seeds are fertilized ovaries.



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11. Write note on :

Advantage of cross pollination



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12. Write note on :

Polygenic inheritance



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13. Write note on

Genetic Code



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14. Write note on :

Monohybrid Cross



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15. Write note on :

Biogas Production.



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16. Write note on :

Food chain



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17. Difference between Predation and Parasitism.



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18. Differentiate between nuclear endosperm and cellular endosperm



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19. Explain Mendel's monohybrid cross and discuss the law of purity of gametes.



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20. Describe the transiation of prokaryotes.



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21. Distinguish between primary pollutant and secondary pollutant.



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22. Discuss the causes of loss of biodiversity



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23. Which does influence the cleavage?

A. Cytoplasm

B. Yolk

C. Nucleus

D. Amnion

Answer:



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24. What is the correct surgical method for preventing pregnancy in which the vas deferens is cut?

A. Ovariectomy

B. Hysterectomy

C. Vasectomy

D. Castvation

Answer:



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25. Amoebic dysentery is caused due to

A. E. coli

B. A. proteus

C. E. histolytica

D. P. vivax

Answer:



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26. Which test is required to diagnose Typhoid?



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27. Give an example of Y-linked inheritance.



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28. Fill up the blank

The cells obtained from cancerous tumour are called as _____



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29. Fill in the blank

The preservation of semen at very low temperature is called _____





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30. Which enzyme helps in joining DNA fragments?



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31. Corpus spongiosum is part of-



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32. Fill up the blank

The culturing and rearing of honey bee is called _____



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33. Why is testis extra abdominal in human being?



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34. What do you mean by surrogate mother?

Explain.



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35. What is depressant?



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36. What is criss-cross inheritance?



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37. What is thalasemia?



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38. What is GMOs?



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39. Differentiate between of the following

t- lymphocyte and B- lymphocyte



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40. Differentiate between : Estrous cycle and menstrual cycle



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41. Differentiate between of the following Enzymes and Hormones.



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42. Give an account of the chromosomal basis of sex determination.



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43. Describe the process of Oogenesis.



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44. Give an account of Thalassemia.



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45. Write a note on seminiferous tubules.



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46. Genic Balance Theory.



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47. Write notes on : AIDS



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48. Write note on

Drug abuse.



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