



BIOLOGY

BOOKS - SHARAM PUBLICATION

SOLVED PAPER 2

Exercise

1. Micropyle occurs in _____

A. Ovary

B. seed

C. ovule

D. both b and c

Answer:



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2. Which one is female gametophyte?

A. Embryo

B. Embryo sac

C. Endosperm

D. Synergid

Answer:



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3. Route used by pollen tube for entering ovule is _____

A. Integument

B. Micropyle

C. Chalaza

D. Any of the above

Answer:



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4. New varieties of plants are created by hybridization and _____

A. Introduction

B. Selection

C. Competition

D. Mutation

Answer:



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5. How many celled embryo sac is seen among angiosperms.

A. 4

B. 8

C. 16

D. 64

Answer:



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6. Correct the statement in each bit, if necessary, by changing underlined words only.

Floral axis bearing floral organs is called pedicel.



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7. Correct the statement in each bit, if necessary, by changing underlined words only.

Transcription begins when mRNA binds to a promoter site.



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8. Correct the statement in each bit, if necessary, by changing underlined words only.

The secondary treatment of sewage is done in the incinerators.



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

Androecium and corolla are essential whorls.



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10. Correct the statement in each bit, if necessary, by changing underlined words only.

Translocation of ribosomes requires peptidase enzyme.



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11. Write note on: Advantage of Self pollination.



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12. Write note on :

Codominance.



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13. Write note on

Human genome project.



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14. Write note on :

Biopesticides.



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15. Write note on :

Microbes in food processing.



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16. Differentiate between

Food Chain and Food Web



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17. Differentiate between apospory and apogamy.



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18. Give the typical structure of an embryosac and how it is formed.



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19. Describe the double helical structure of DNA.



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20. List the four importance of biodiversity?



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21. With diagrams, describe the development of male and female gametophyte in angiosperms.



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22. Which enzyme helps in joining DNA fragments?

A. Ligase

B. Polymerase

C. Endonuclease

D. Transferase

Answer:



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23. Which one is responsible for filariasis?

A. *Ascaris Lumbricoides*

B. *Wuchereria bumbricoides*

C. Trypanosoma gambiense

D. Entamoeba histolytica

Answer:



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24. Which is not an indigenous carp?

A. Rohu

B. Common carp

C. Catla

D. Mirgal

Answer:



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25. The drugs which relieve intense pain are

____ .



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26. How many spermatozoa are formed from one secondary spermatocyte ?



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27. Pashmina is derived from goats of odisha.



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28. Sarcoma is the cancer of



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29. Fallopian tube is a part of



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30. Fill up the blank

Transgenic Golden Rice is enriched with



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31. Fill up the blank

Patents are granted for _____



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32. What is the gestation period for human?



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33. What is biopiracy?



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34. Lactation



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35. Write short note on: Adaptive radiation



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36. Differentiate between of the following

In-vivo gene therapy and Ex- vivo gene therapy.



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37. Reverse transcriptase:



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38. Difference between: Benign Tumour and Malignant Tumour.



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39. Differentiate between : Sporogony and Schizogony



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40. Supermale and Superfemale.



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41. What is sexlinked inheritance ? Explain inheritance of haemophilia in man.



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42. What is oogenesis? Give a brief account of oogenesis.



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43. Give an account of sex linkage in *Drosophila* and man.



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44. Write short note on Down's syndrome



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45. Write notes on : AIDS



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46. Write a note on seminiferous tubules.



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47. Write note on

Contraception.



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