



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MP_14 QUESTION PAPER

Exercise

1. In case of grafting, stock & scion are attached -

A. xylem to sylem

B. cambium to cambium

C. pith to pith

D. phloem to phloem

Answer:



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2. Clone bacteria is formed by the process of -

A. Transduction

B. Transformation

C. Conjugation

D. Binary fission

Answer:



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3. Which of the following pollination process is caused by heterozygosity? -

A. 1. Geitonogamy

B. 2.Cleistogamy

C. 3.Xenogamy

D. 4.Autogamy.

Answer:



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4. Disease caused by XXY chromosome abnormalities -

A. Klinefelter's syndrome

B. Turner's syndrome

C. Down syndrome

D. AIDS.

Answer:



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5. Cause of sickle cell anemia is -

A. Chromosomal mutation

B. Point mutation

C. Substitution mutation

D. Frame shift mutation.

Answer:



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6. Which one is nonsense or terminal codon -

A. CCC

B. GCG

C. UUU

D. UAG/UAA.

Answer:



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7. Okazaki fragments form -

- A. Master strand
- B. Leading strands
- C. Lagging strands
- D. Sense strands.

Answer:



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8. Which os the following diseases causes more child death -

A. Tuberculosis

B. Malaria

C. Filariasis

D. Ascariasis

Answer:



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9. Water born disease is -

A. Cancer

B. Hepatitis

C. Small pox

D. Hydrophobia

Answer:



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10. Agricultural Technology is related with -

A. Transformation

B. DNA replication

C. Plant breeding tissue culture.

D.

Answer:



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11. Which reagent is used in ELISA?

A. Polymerase

B. Ligase

C. Peroxidase

D. Endonuclease.

Answer:



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12. In absence of leaves, photosynthesis in xerophytes is done by -

A. 1.Stem

B. 2.Pneumatophore

C. 3.Scale leaf

D. 4.Root

Answer:



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13. Most permanent ecosystem is -

A. Forest

B. Ocean

C. Desert

D. Hill.

Answer:



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14. Detritus food chain is started from -

A. 1.Virus

B. 2.Protozoa

C. 3.Algae

D. 4.Bacteria.

Answer:



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15. What do you mean by apocarpus carpel?



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16. Define synandrous stamen.



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17. What is epistasis?



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18. Name one protozoa causing Amoebiasis disease.



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19. Which oncogene causes leukaemia?

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20. What is Homeostasis?

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21. What is campylotropous ovule?



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22. Define : Deletion in chromosomal aberration.



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23. Define - Trisomy and Nulisomy.



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24. What do you mean by hypophysation?



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25. What is biopiracy?



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26. Write two conditions required for selection of hot spots biodiversity.



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27. Define β -diversity.



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28. Briefly describe the process Oogenesis.



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29. Write the symptoms of Turner's syndrome.



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30. Write the symptoms of Down's syndrome.



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31. Describe the process- 'Semiconservative DNA Replication' with diagram.



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32. What is composite fish culture? Write the advantage of composite fish culture.



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33. What do you mean by Totipotency and Pleuripotency?



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34. What is mycorrhiza? State different types of mycorrhiza with example.



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35. Define pest. State biological control for pest.



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36. What is biofortification? State the utility of it.



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37. Write the advantages and disadvantages of patent.



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38. What is transgenesis? Describe the process of microinjection applied i biotechnology.



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39. Briefly describe the Energy flow in Ecosystem.



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40. Name the different types of foodchain and give example of each type.



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41. State the structure of a typical sperm of human with a proper diagram.



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42. What is infertility? Write the causes of infertility of male and female of human.



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43. State how DNA replication is occurred with the explanation of replication fork SSB protein and associated enzymes with a proper diagram.



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44. Briefly describe the ancestors of modern man and their main features.



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45. What is algal boom? Write a short note on Chipko movement.



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