



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MP_03 QUESTION PAPER

Exercise

1. The deficiency of which element causes sterile?

A. Chlorine

B. Manganese

C. Zinc

D. Iron

Answer:



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2. Acrosome of sperm has

A. Hyaluronidase & Acrosine

B. Hyaluronic acid and acrosine

C. Hippuric acid and uric acid

D. Creatinin

Answer:



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3. First haploid cell of female gametophyte is -

A. Microspore mother cell

B. Magaspore mother cell

C. Active megaspore

D. No one is correct

Answer:



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4. Which is not recessive gene, present in 'X' chromosome?

A. Hemophilia

B. Sterile

C. β thalassemia

D. deficiency of G₆PD.

Answer:



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5. Which is sex linked?

A. Malignancy

B. Leukemia

C. Hepatitis

D. Thalassemia.

Answer:



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6. Who discovered Operon model?

A. Morgan & Mendel

B. Jacob & Monad

C. Biddle & Tatom

D. No one

Answer:



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7. First element produced for the origin of life was -

- A. Protein & amino acid
- B. Urea & amino acid
- C. Protein & nucleic acid
- D. Urea & nucleic acid

Answer:



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8. Which one is present in antiserum?

A. Antibody

B. RBC

C. WBC

D. Antigen.

Answer:



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9. Parts of plants used in tissue culture is known as -

A. Clone

B. Inoculant

C. Somaclone

D. Explant

Answer:



10. Which one is bioreactor?

- A. Fermentation tank
- B. Hybridoma
- C. Bacteria culture
- D. Culture for chemical synthesis.

Answer:



11. Who discovered the production of monoclonal antibody?

A. Watson & Crick

B. Milstein & Kohler

C. Bentham & Hooker

D. Miescher.

Answer:



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12. Nature of number pyramid in grass land ecosystem is

A. Negative

B. Inverted

C. Upright

D. Linear

Answer:



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13. Due to change of gradient of altitude & humidity, there arises

A. δ -diversity

B. α -diversity

C. β -diversity

D. γ -diversity

Answer:



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14. Which one is developed from sulphurised water spring & ignition?

A. PAN

B. H_2S

C. NOx

D. O_3

Answer:



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15. What is rete testis?



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16. Name two hormones secreted from corpus luteum.



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17. Name two permanent control process of population control.



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18. What is transgene?



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19. How many chromosomes in 'woman having Turner syndrome are present.



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20. Name the vectors of an endogenous & an exogenous diseases.



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21. Define food chain.



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22. Write two process of Exsitu conservation?



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23. Name two municipal wastes.



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24. What is gene amplification?



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25. How mycorrhiza helps to grow the plants.



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26. Define exotic carp? Give one exmple.



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27. What is speciation? Name two process of speciation.



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28. What do you mean by minisatellite?



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29. Mention two causes of female sterility.



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30. What is implantation? How acrosome reacts during fertilization.



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31. Write four features of self pollinated plant.

Give one example of it.



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32. If a colour blind carrier female marries a colour blind male then how will be the nature of vision of offspring.



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33. Name the enzymes developed from structural gene parts of lac operon.



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34. Name the periods of Palaeozoic era.



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35. Show a word diagram of the life cycle of malarial parasite in mosquito body.



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36. Show a word diagram of the life cycle of amoebic dysentery.



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37. Write about three processes of the improvement of crop production.



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38. What is micropropagation? Mention its one advantage and one disadvantage.



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39. Write the causes of Ranikhet & Dropsy disease In which type of animals, these diseases are seen ?



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40. Write three advantages & disadvantages of GMO.



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41. Write the principles and application of RIA & ELISA.



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42. What do you mean by Habitat & Niche?

What is realised niche?



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43. Define food pyramid? Describe different types of food pyramids with schematic diagram.



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44. Write the importance of conservation of biodiversity . Write one example of sanctuary and reserved forest each.



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45. Differentiate between Oparin & Haldane suggestions related with evolution. Describe chemical evolution in relation to origin of life.



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46. Differentiate between ribonucleotide and dioxiribonucleotide. Describe about Watson & Crick DNA model with diagram.



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47. What is double fertilization? In flowering plant, describe the Fertilization with diagramme.



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