



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MP_03 QUESTION PAPER



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. Microsopore mother cell

B. Magaspore mother cell

C. Active megaspore

D. No one is correct

Answer:



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

chromosome?

A. Hemophilia

B. Sterile

C. β thalassemia

D. deficiency of `G_6PD.

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:



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





8. Which one is present in antiserum?

A. Antibody

- B. RBC
- C. WBC
- D. Antigen.





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

A. Clone

B. Incoulant

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 productionof

monoclonl antibody?

A. Watson & Crick

B. Milstain & Cholar

C. Bentnam & Hooker

D. Mischer.

Answer:

12. Nature of number pyramid in grass land ecosystem is

A. Negative

B. Inverted

C. Upright

D. Linear

Answer:

13. Due to change of gradient of altitude &

humidity, there arises

A. δ -diversity

B. α -diversity

C. β -diversity

D. γ -diversity

Answer:

14. Which one is developed from sulphurised

water spring & ignition?

A. PAN

 $\mathsf{B}.\,H_2S$

C. NOx

 $\mathsf{D}.\,O_3$

Answer:

15. What is rete testis?

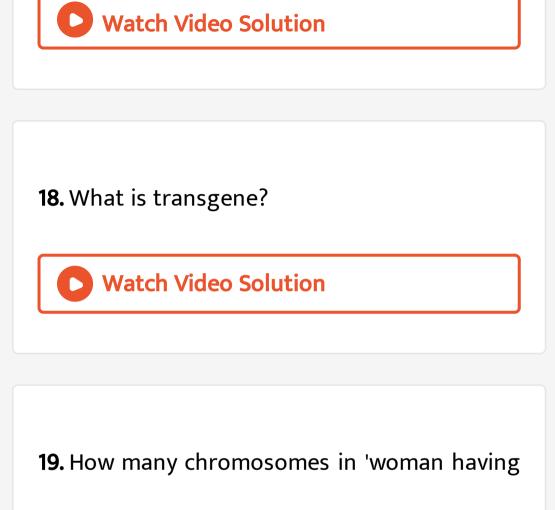


16. Name two hormones secreted from corpus

luteum.

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17. Name two permanent control process of population control.



Turner syndrome are present.



20. Name the vectors of an endogenous & an

exogenous diseases.

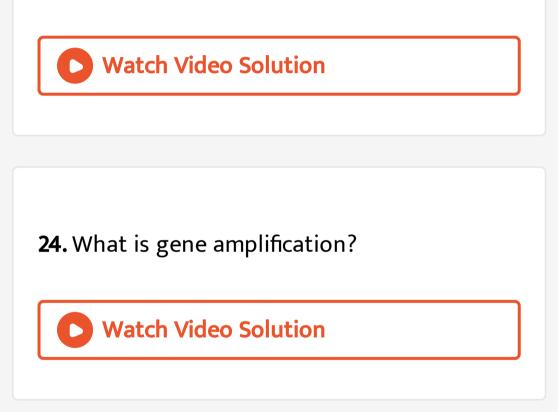
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21. Define food chain.

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22. Write two process of Exsitu conservation?

23. Name two municipal wastes.



25. How mycorrhiza helps to grow the plants.

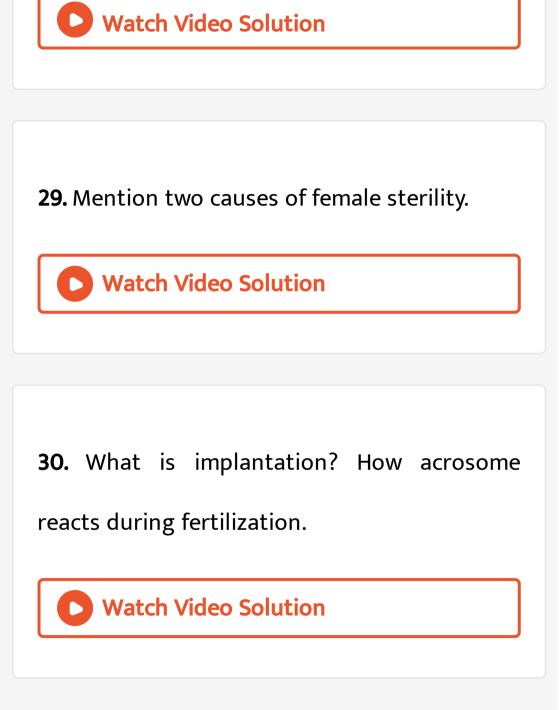
26. Define exotic carp? Give one exmple.



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



28. What do you mean by minisatellite?

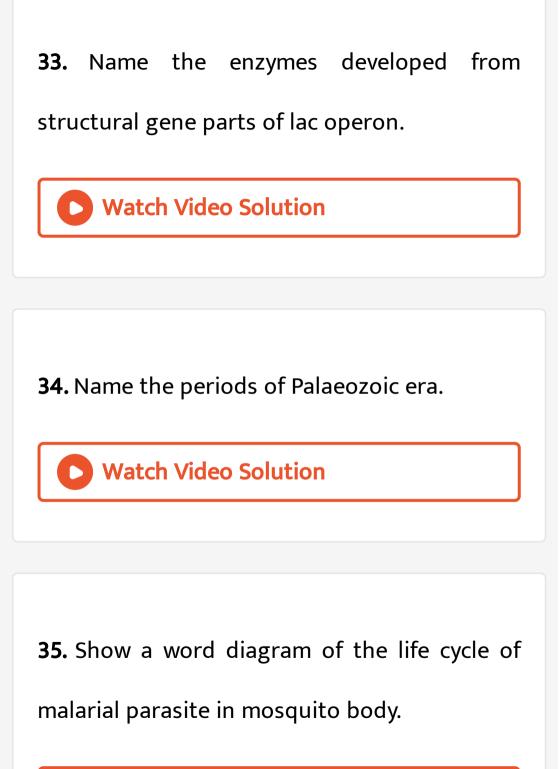


31. Write four features of self pollinated plant.

Give one example of it.

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32. If a colour blind carrier female marriages colour blind male then how will be nature of vision of offsprings.





36. Show a word diagram of the life cycle of

amoebic dysentry.

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37. Write about three processes of the

improvement of crop production.

38. What is micropropagation? Mention its

one advantage and one disadvantage.



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

40. Write three advantages & disadvantages

of GMO.

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41. Write the principles and application of RIA

& ELISA.



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.

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



45. Differentiate between Oparin & Haldane suggestions related with evolution. Describe

chemical evolution in relation to origin of life.



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.