



BIOLOGY

BOOKS - SANTRA BIOLOGY (BENGALI ENGLISH)

CONTINUITY OF LIFE

Mcqs

1. The chromosome number of a gamete of man is

A. 64

B. 32

C. 46

D. 23

Answer:



Watch Video Solution

2. The direct cell division is known as

A. mitosis

B. meiosis

C. cytokinesis

D. amitosis

Answer:



Watch Video Solution

3. Reduction division is formed in

A. Mitosis

B. amitosis

C. meiosis

D. cytokinesis

Answer:



Watch Video Solution

4. In which of the stage of mitosis cell division does the nuclear membrane disappear?

A. Interphase

B. Anaphase

C. Prophase

D. Telophase

Answer:



Watch Video Solution

5. In which of the stages of mitosis cell division does the nuclear membrane reappear?

A. Anaphase

B. Prophase

C. Metaphase

D. Telophase

Answer:



Watch Video Solution

6. Four daughter cells are obtained from

A. Mitosis

B. Meiosis

C. Amitosis

D. None of these

Answer:



Watch Video Solution

7. Half of the chromosomes move towards the two poles of same in mitosis

A. Metaphase

B. Telephase

C. Anaphase

D. Prophase

Answer:



Watch Video Solution

8. Centromere is present at the centre of chromosome in

A. Metacentric

B. Acrocentric

C. Telocentric

D. Sub-metacentric

Answer:



Watch Video Solution

9. The chromosome bearing centromere at the terminal end is called

A. Sub-metacentric chromosome

B. Telecentric chromosome

C. metacentric chromosome

D. Acrocentric chromosome

Answer:



Watch Video Solution

10. Gene is the part of

A. DNA

B. RNA

C. a & b both

D. None of these

Answer:



Watch Video Solution

11. Autosome number in human body is

A. 45

B. 40

C. 44

D. 42

Answer:



[Watch Video Solution](#)

12. In chromosome satellite present at

A. chromatid

B. primary constriction

C. secondary constriction

D. centromere

Answer:



[Watch Video Solution](#)

13. Which amino acid present at the acidic protein of chromosome?

A. Typtophan

B. Leucin

C. Valine

D. Lysine

Answer:



Watch Video Solution

14. Which one is equational division?

A. Cytokinesis

B. Amitosis

C. Mitosis

D. Meiosis

Answer:



Watch Video Solution

15. In which type of reproduction, mitosis & meiosis both are involved

- A. Sexual reproduction
- B. vegetative propagation
- C. Asexual reproduction
- D. None of these

Answer:



Watch Video Solution

16. Fragmentation found in

A. Hydra

B. Planaria

C. Amoeba

D. Spirogyra

Answer:



Watch Video Solution

17. Grafting is found in

A. Ginger

B. Potato

C. Guava

D. Sessbania

Answer:



Watch Video Solution

18. Every part of calyx, called as

A. Sepal

B. petal

C. stamen

D. carpel

Answer:



Watch Video Solution

19. Self pollination found in

A. mirabilis

B. borassus

C. cucurbita

D. solanum

Answer:



Watch Video Solution

20. Anemophily found in

A. Hydrilla

B. Maize

C. Vallisneria

D. Mango

Answer:



Watch Video Solution

21. Ornithophily found in

A. shimul

B. sunflower

C. mango

D. paddy

Answer:



Watch Video Solution

22. In case of human after 10 months to 13 years of age is called

A. infancy

B. adolescence

C. childhood

D. senescence

Answer:



Watch Video Solution

23. Sex determinant chromosome of female is

A. XX

B. XO

C. YY

D. XY

Answer:



Watch Video Solution

24. You have observed the separation of two sister chromatids at one stage of mitotic cell division. The stage is

A. prophase

B. telophase

C. anaphase

D. metaphase

Answer:



[Watch Video Solution](#)

25. Which of the following pair is correct

- A. Budding-Yeast
- B. Fragmentation-Earthworm
- C. Spore formation-Amoeba
- D. Regeneration-Dryopteris

Answer:



[Watch Video Solution](#)

Fill In The Blanks

1. In _____Phase of cell cycle DNA is synthesized.



[Watch Video Solution](#)

2. Uncontrolled cell division takes place resulting in formation of _____.



[Watch Video Solution](#)

3. Shimul is ___pollinated flower.



[Watch Video Solution](#)

4. Male gamete and female gamete unite to form ___



[Watch Video Solution](#)

5. Adenine is a ___type of nitrogenous base.



[Watch Video Solution](#)

Mention True Or False

1. During gastrulation, cell enlarge and form tissues by elongation.



[Watch Video Solution](#)

2. In fern, alternation of generation is found.



[Watch Video Solution](#)

3. By fertilization, the ovule converts into seed.



[Watch Video Solution](#)

4. the paired homologous chromosomes together are called synapsis.



[Watch Video Solution](#)

5. Ovum is only produced as a result of mitosis.



[Watch Video Solution](#)

Very Short Answer Vsa Type Question

1. Mention the site of G_0 .



[Watch Video Solution](#)

2. What is the full form of DNA?



[Watch Video Solution](#)

3. Write full form of RNA?



[Watch Video Solution](#)

4. Mention the location of gene.



[Watch Video Solution](#)

5. What is the number of chromosome in human body?



[Watch Video Solution](#)

6. Define sat-chromosome.



[Watch Video Solution](#)

7. What are the nitrogenous bases of DNA?



[Watch Video Solution](#)

8. Which cell organelle involved in the formation of bame?



[Watch Video Solution](#)

9. Where amitosis cell division occur?



[Watch Video Solution](#)

10. What is the unit of asexual reproduction?



[Watch Video Solution](#)

11. Mention the unit of sexual reproduction.



Watch Video Solution

12. What is haploid cell?



Watch Video Solution

13. Define diploid cell.



Watch Video Solution

14. What is chromatic reticulum?



[Watch Video Solution](#)

15. What telocentric chromosome?



[Watch Video Solution](#)

16. What do you mean by acrocentric chromosome?



[Watch Video Solution](#)

17. Define metacentric chromosome.



Watch Video Solution

18. What is sat-chromosome?



Watch Video Solution

19. Write the pyrimidines of nucleic acid.



Watch Video Solution

20. What is cell cycle?



[Watch Video Solution](#)

21. Name the organisms where asexual reproduction found.



[Watch Video Solution](#)

22. What is flower?



[Watch Video Solution](#)

23. Define gamosepalous calyx.



Watch Video Solution

24. What is stamens?



Watch Video Solution

25. give the example of regular flower.



Watch Video Solution

26. What is irregular flower?



Watch Video Solution

27. Give an example of water pollinated plant.



Watch Video Solution

28. Write an example of cross pollination.



Watch Video Solution

29. Give an example of wind pollinated plant.



Watch Video Solution

30. Name one bird pollinated plant.



Watch Video Solution

31. A pair of related terms is given below, on the basis of the relationship in the first pair

write the suitable word in the gap of second pair, prophase: Disappearance of nuclear membrane and nucleolus: ____: reappearance.



[Watch Video Solution](#)

Short Answer Sa Type Questions

1. What is chromosome?



[Watch Video Solution](#)

2. What is gene?



[Watch Video Solution](#)

3. Mention the two characteristics of gene.



[Watch Video Solution](#)

4. What is autosome?



[Watch Video Solution](#)

5. What is sex chromosome?



[Watch Video Solution](#)

6. What is centromere?



[Watch Video Solution](#)

7. What is chromomere?



[Watch Video Solution](#)

8. give two difference between DNA & RNA.



[Watch Video Solution](#)

9. What is the role of centrosome in cell division?



[Watch Video Solution](#)

10. What is amitosis?



[Watch Video Solution](#)

11. What is mitosis?



Watch Video Solution

12. Give two significance of mitosis.



Watch Video Solution

13. What is meiosis?



Watch Video Solution

14. give two significance of meiosis.



[Watch Video Solution](#)

15. What is cell cycle?



[Watch Video Solution](#)

16. give two characteristics of metaphase.



[Watch Video Solution](#)

17. State two features of anaphase.



Watch Video Solution

18. what is cytokinesis?



Watch Video Solution

19. What is bivalent?



Watch Video Solution

20. Define euchromatin.



[Watch Video Solution](#)

21. What is heterochromatin?



[Watch Video Solution](#)

22. Give two difference between mitosis & meiosis.



Watch Video Solution

23. What is asexual reproduction?



Watch Video Solution

24. What is sexual reproduction?



Watch Video Solution

25. What is cutting?



[Watch Video Solution](#)

26. What do you mean by grafting?



[Watch Video Solution](#)

27. Define micropropagation.



[Watch Video Solution](#)

28. Define alternation of generation.



Watch Video Solution

29. What is pollination?



Watch Video Solution

30. What is self pollination?



Watch Video Solution

31. What is cross pollination?



Watch Video Solution

32. What is complete flower?



Watch Video Solution

33. Write two importance of cell cycle.



Watch Video Solution

34. Distinguish between DNA and RNA based on the following features: * Pyrimidine base, * 5-C sugar.



Watch Video Solution

35. Which agents perform the function of pollination in the following plants: paddy, Hydrilla, Shimul, Mango.



Watch Video Solution

Long Answer La Type Question

1. What is chromosome? What is the inter-relationship among chromosome, DNA and gene?



[Watch Video Solution](#)

2. State about the types of chromosome. What are the difference between centrosome and centromere?



[Watch Video Solution](#)

3. Describe the structure of chromosome with proper diagrammatic representation.



Watch Video Solution

4. State about the chemical components of the chromosome.



Watch Video Solution

5. What do you mean by heterochromatin and euchromatin? Mention their individual characteristics.



[Watch Video Solution](#)

6. State about the structure of DNA.



[Watch Video Solution](#)

7. What is RNA? Mention difference between DNA & RNA.



[Watch Video Solution](#)

8. Mention the role of nucleus, centrosome and mitochondria in cell division.



[Watch Video Solution](#)

9. What is cell division? What are the significations of cell division?



Watch Video Solution

10. What is cell cycle? Briefly describe the phases of cell cycle.



Watch Video Solution

11. What is the significance of cell cycle? Why mitosis is called as equational division?



Watch Video Solution

12. Briefly describe the metaphase and anaphase of mitosis with correct diagrammatic representation.



Watch Video Solution

13. What is meiosis? Briefly explain the features of meiosis.



Watch Video Solution

14. State the difference between mitosis of plant cell and animal cell. What is prophase?



Watch Video Solution

15. What are the features of meiosis-II? What is sister chromatid?



Watch Video Solution

16. What is crossing over? Mention the process of crossing over



Watch Video Solution

17. Mention the significance of meiosis. State the difference between mitosis and meiosis.



Watch Video Solution

18. What are the importance of reproduction?

Define reproduction.



Watch Video Solution

19. Describe the different types of asexual reproduction with proper example.



Watch Video Solution

20. What is vegetative propagation? Mention the vegetative propagation by roots and stems.



Watch Video Solution

21. Describe the different methods of artificial vegetative propagation.



Watch Video Solution

22. What is alternation of generation? Explain the alternation of generation in fern.



Watch Video Solution

23. Describe the different part of flower.



[Watch Video Solution](#)

24. Explain the inter relationship among chromosome, DNA and gene, distinguish between euchromatin and heterochromatin on the following two aspects: * coiling *activity.



[Watch Video Solution](#)