



BIOLOGY

BOOKS - JNAN PUBLICATION

CONTINUITY OF LIFE

Exercise

1. Half of the chromosomes move towards pole: 1.Telophase 2.Metaphase 3.Prophase 4.Anaphase

A. Telophase

B. Metaphase

C. Prophase

D. Anaphase

Answer:



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2. Which of these mitosis cell division the nuclear membrane reappear?

A. 1.Metaphase

B. 2.Telophase

C. 3.Anaphase

D. 4.Prophase

Answer:



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3. The direct cell division is known as

A. Meiosis

B. Cytokinensis

C. Amitosis

D. Mitosis

Answer:



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4. The chromosome number of a gamete of man is

A. 23

B. 64

C. 92

D. 46

Answer:



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5. Reduction division is formed in:

A. 1.Mitosis

B. 2.Amitosis

C. 3.Meiosis

D. 4.Cytokinensis

Answer:



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6. Four daughter cells are obtained from

A. Mitosis

B. Amitosis

C. Meiosis

D. Cytokinensis

Answer:



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7. Number of sex chromosome in human:

A. 1)4 pairs

B. 2)3 pairs

C. 3)2 Pairs

D. 4)1 pair

Answer:



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

A. Senescen

B. Toddler

C. Infancy

D. Childhood

Answer:



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9. Self pollination is found in:

A. 1.Borassus

B. 2.Cucurbita

C. 3.Salonum

D. 4.Mirabilis

Answer:



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10. Fragmentation found in

A. Amoeba

B. Spirongyra

C. Planaria

D. Hydra

Answer:



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11. Which one is equational division?

A. Amitosis

B. Cytokinensis

C. Mitosis

D. Meiosis

Answer:



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12. In chromosome satellite present at

A. Centromere

B. Chromatid

C. Primary constriction

D. Secondary constriction

Answer:



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13. Gene is the part of

A. RNA

B. DNA

C. None

D. a and b both

Answer:



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14. Centromere is present at the centre of chromosome in

A. Acrocentric

B. Submetacentric

C. Metacentric

D. Telocentric

Answer:



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

- A. Telocentric chromosome
- B. Sub metacentric chromosome
- C. Acrocentric chromosome
- D. Metacentric chromosome

Answer:



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16. Autosome number in human body is

A. 46

B. 64

C. 23

D. 44

Answer:



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17. The amino acid present at the acidic protein of chromosome is:

A. Lysine

B. Valine

C. Tryptophan

D. Leucine

Answer:



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18. Mitosis and meiosis both are involve in which type of reproduction ?

- A. Asexual reproduction
- B. Vegetative propagation
- C. Sexual reproduction
- D. All of them

Answer:



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19. Every part of calyx, called as

A. Petal

B. Sepal

C. Carpel

D. Stamen

Answer:



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20. Ornithophily found in

A. Mango

B. Sunflower

C. Humming bird

D. Lizard

Answer:



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21. Sex determinant chromosome of female is

A. XX

B. YY

C. XO

D. XY

Answer:



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22. Secondary sex characters are establish in:

- A. Adolescence
- B. Childhood
- C. Late adulthood
- D. Adulthood

Answer:



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1. What do you mean by chromatin reticulum.



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2. What do you know about haploid cell?



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3. Where amitosis cell division occur?



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4. What do you understand about nitrogenous bases of DNA and RNA.



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



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6. Write full form of RNA?



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7. Mention the site of G_0 .



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8. What is the full form of DNA?



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9. Mention the location of gene.



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10. What is sat-chromosome?



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11. What is the unit of asexual reproduction?



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12. Define diploid cell.



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13. Name one bird pollinated plant.



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14. Give an example of wind pollinated plant.



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15. Give an example of water pollinated plant.



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16. What telocentric chromosome?



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17. What is irregular flower?



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18. What do you mean by acrocentric chromosome?



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19. What is regular flower?



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20. Define stamen.



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21. What is gamosepalous calyx?



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22. State an example of cross pollination.



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23. Name the organisms where asexual reproduction found.



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24. Define flower.



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25. Define metacentric chromosome.



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26. What do you know about cell cycle?



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27. State the pyrimidines of nucleic acid.



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28. Mention two differences between DNA and RNA.



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29. What is centromere?



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30. What do you mean autosome?



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31. Define gene.



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32. What do you understand by chromosome?



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33. Mention the two characteristics of gene.



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34. What is sex chromosome?



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35. Mention the features of anaphase.



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36. What do you know about cell cycle?



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37. Define meiosis.



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38. Define mitosis.



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39. State the role of centrosome in cell division.



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40. Define amitosis.



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41. Write down two importance of mitosis.



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42. Write down two importance of meiosis.



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43. Mention two features of metaphase.



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44. What do you mean by development?



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45. What do you understand by flower?



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46. What is self pollination?



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47. Describe importance of reproduction.



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48. What do you mean by growth? Describe human development.



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49. What do you mean by alternation of generation? State the process in fern.



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50. What do you mean by artificial vegetative propagation?



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51. What do you mean by crossing over?

Describe the process.



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52. State the features of Meiosis II.



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53. What is sister chromatid? Describe the importance of meiosis.



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54. Describe the difference between mitosis and meiosis.



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55. What do you mean by asexual reproduction process? Give example.



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56. Describe about DNA.



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57. State the difference between DNA and RNA.



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58. Discuss the function of nucleus, in cell division.



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59. What do you mean by cell division?



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60. State the difference between heterochromatic and euchromatin.



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61. What is chromosome? State the chemical components of chromosome.



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62. Describe the structure of chromosome.



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63. What is the functional difference between centrosome and centromere? State the types

of chromosome.



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64. What is cell cycle? Mention the different phase of it with diagram.



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65. Describe the metaphase and anaphase of mitosis.



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66. What do you mean by meiosis. Describe about meiosis I.



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67. What do you mean by prophase? State the difference between mitosis of plant cell and animal cell.



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