



BIOLOGY

BOOKS - USHA BIOLOGY (ODIA ENGLISH)

VERY SIMILAR TEST

Very Similar Test

1. Write notes with 2 to 3 important points

:Pollen-pistil interaction



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2. Write notes with 2 to 3 important points

:Biogas



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3. Write notes with 2 to 3 important points

:Mutualism



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4. Write notes with 2 to 3 important points

:Pleiotrophy



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5. Write notes with 2 to 3 important points

:Sanctuary



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6. Write notes with 2 to 3 important points

:Genome



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7. Differentiate between nuclear endosperm and cellular endosperm



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8. Differentiate between : Chromosome and Mendelian factor.



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9. Differentiate between : Population and community.



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10. Describe briefly about the process of double fertilization with suitable diagram.



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11. Describe the elongation step of translation in prokaryotes.



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12. Give an account of development of female gametophyte in angiosperms.



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13. Discuss Mendel's monohybrid cross with checker board.



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14. Fill in the blanks: Operon concept was given by _____.

- A. Jacob and Monod
- B. Oparin and Haldane
- C. Singer and Nicholson
- D. Meselson and Stahl

Answer: A



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15. Fill in the blanks: In codominance, the genotypic ratio in F_2 generation is _____.

A. 0: 2 : 1

B. 1:2:3

C. 3:1

D. 1:2:1

Answer: A



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16. Fill in the blanks: Absence of root, cuticle and stomata are the characteristic of _____.

A. Hydrophytes

B. mesophytes

C. Xerophytes

D. epiphytes

Answer: A



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17. Fill in the blanks:Yeast Acetobacter are both involved in the production of _____ from carbohydrate.

A. Penicillin

B. Vinegar

C. Methane

D. Citrate

Answer: B



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18. Fill in the blanks: Wind pollination is common in _____.

A. Lilies

B. Grasses

C. Orchids

D. Legumes

Answer: B



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19. Fill in the blanks: The main source of biofertilizer are _____.

A. bacteria

B. Cyanobacteria

C. red algae

D. fungi

Answer: B



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20. Which law Mendel would not have proposed , if the phenomenon of linkage was known to him ?

- A. Law of unit character
- B. Law of dominance
- C. Law of segregation
- D. Law of independent assortment

Answer: D



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21. Fill in the blanks: To form a continuous DNA molecule, the enzyme _____ joins okazaki fragments.

A. Primase

B. polymerase

C. helicase

D. ligase

Answer: D



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22. Fill in the blanks: When two organisms live with mutual benefit, it is called _____.

A. Symbiosis

B. Parasitism

C. autotropism

D. saprophytism

Answer: A



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23. Species diversity means _____

- A. Number of species
- B. Species composition
- C. relative abundance of species
- D. genetic diversities

Answer: A



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24. Write notes with 2 to 3 important points :

Tapetum



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25. Write notes with 2 to 3 important points :

Test cross



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26. Write notes with 2 to 3 important points :

Genes



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27. Write notes with 2 to 3 important points :

Mycorrhizae



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28. Write notes with 2 to 3 important points :

Birth rate



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29. Write notes with 2 to 3 important points :

Biosphere reserve



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30. Differentiate between : Geitonogamy and xenogamy.



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31. Differentiate between : Initiation codon and termination codon.



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32. Distinguish between: Codon and anticodon



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33. With diagrams, describe the development of male and female gametophyte in angiosperms.



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34. Give an account on chain initiation of translation process.



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35. Describe the process of semiconservative process of DNA replication.



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36. Discuss briefly the Mendel's laws of inheritance.



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37. Fill in the blank: A bisexual flower which never opens in its life time is called _____.

A. Homogamous

B. heterogamous

C. dichogamous

D. Cleistogamous

Answer: D



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38. A cross between F_1 -hybrid and a recessive parent gives the ratio of



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39. Fill in the blank: Combination of nucleosome with linker DNA is _____.



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40. Fill in the blank: Barley malt is used as a raw material for the preparation of _____.

A. beer

B. amylase

C. cheese

D. mineral water

Answer: A



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41. Fill in the blank: Grassland with scattered tree is _____.

A. evergreen forest

B. deciduous forest

C. Savannah

D. tropical rain forest

Answer: C



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42. Write notes with 2 to 3 important points :

Embryo sac



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43. Write notes with 2 to 3 important points :

Polygenic inheritance



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44. Write notes with 2 to 3 important points :

t-RNA



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45. Write notes with 2 to 3 important points :

Single cell protein



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46. Write notes with 2 to 3 important points :

Age distribution



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47. Write notes with 2 to 3 important points :

Pattern of biodiversity



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48. Differentiate between : Induction and repression.



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49. Distinguish between:Phenotype and genotype



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50. Distinguish between:Immigration and emigration



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51. Give an account of development of female gametophyte in angiosperms.



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52. Describe the double helical structure of DNA.



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53. Discuss Mendel's dihybrid cross with checker board.



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54. What do you mean by back cross and test cross? Explain test cross through an example.



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55. Fill in the blank: DNA fragments are _____.

A. Neutral

B. Positively charged

C. Negatively charged

D. Both negative and positive

Answer: A



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56. Fill in the blank: *Saccharomyces cerevisiae* yields _____.

A. amylase

B. lactase

C. Invertase

D. maltase

Answer: A



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57. Fill in the blank: The final proof of DNA as the genetic material came from the experiment of _____.

A. Harshey and Chase

B. Avery, Macleod and Mc Carty

C. H. G. Khorana

D. Griffith

Answer: A



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58. Fill in the blank: The functional megaspore in angiosperm develops into _____.

A. Endosperm

B. Embryo sac

C. Embryo

D. Ovule

Answer: A



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59. Fill in the blank: The region of Biosphere Reserve which is legally protected and where no human activity is allowed is known as _____.

- A. Buffer zone
- B. Transition zone
- C. Restoration zone
- D. Core zone

Answer: A



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60. Write notes with 2 to 3 important points

:Dichogamy



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61. Write notes with 2 to 3 important points :

Linkage



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62. Write notes with 2 to 3 important points

:parasitism



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63. Write notes with 2 to 3 important points :

Antibiotic production



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64. Write notes with 2 to 3 important points

:DNA finger printing



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65. Write notes with 2 to 3 important points

:Global warming



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66. Distinguish between: Template strand
coding strand



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67. Distinguish between: Genetic diversity and
species diversity



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68. Differentiate between syngamy and triple fusion.



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69. Give an account of development of female gametophyte in angiosperms.



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70. Describe the process of DNA replication.



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71. Describe the termination step of translation in prokaryotes.



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72. Discuss briefly about the Monohybrid cross performed by Mendel law(s) derived from it.



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73. A population is a group of _____

- A. individuals in a species
- B. Species in a community
- C. Individuals in a family
- D. Communities in an ecosystem

Answer: C



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74. Fill in the blank: The part of embryonal axis above the level of cotyledons is called _____.

A. Epicotyl

B. Hypocotyl

C. Radicle

D. Plumule

Answer: A



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75. Fill in the blank: Organisms phenotypically similar and but genotypically different are called _____.

A. Heterozygous

B. Homozygous

C. Multizygous

D. Monozygous

Answer: C



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76. Fill in the blank: In pest control of crop plants _____ has pesticidal properties.

- A. Baculo virus
- B. Pox virus
- C. Papiloma virus
- D. Rhizobium

Answer: A



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77. Fill in the blanks: When two organisms live with mutual benefit, it is called _____.

A. symbiosis

B. parasitism

C. autotropism

D. Saprophytism

Answer: A



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78. Write notes with 2 to 3 important points :

National parks



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79. Write notes with 2 to 3 important points :

Biocontrol agents



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80. Write notes with 2 to 3 important points :

Parthenocarpy



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81. Write notes with 2 to 3 important points :

Competition



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82. Write notes with 2 to 3 important points

:Nucleosome



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83. Write notes with 2 to 3 important points :

Bioreactor



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84. Differentiate between : Euchromatin and heterochromatin.



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85. Differentiate between : Grass land and Savana.



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86. Differentiate between embryo and endosperm



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87. Which one is correct sequence in the process of development .



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88. Describe the structure of DNA studied by Watson and Crick.



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89. Describe the process replication of DNA with suitable diagram.



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90. Discuss briefly about the Monohybrid cross performed by Mendel law(s) derived from it.



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91. Fill in the blank: Pollen tablets are available in the market for _____.

- A. In-vivo fertilization
- B. In-vitro fertilization
- C. Supplementary food

D. Ex-situ conservation

Answer: C



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92. Fill in the blank: The gene which synthesizes a repressor protein is _____.

A. Regulator gene

B. Operator gene

C. Promoter gene

D. Structural gene

Answer: A



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93. Fill in the blank: The study of interactions between living organisms and environment is _____.

A. ecosystem

B. Phytogeography

C. ecology

D. Phytosociology

Answer: C



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94. Fill in the blank: _____ is an example of polygenic inheritance.

A. Skin colour in humans

B. flower colour in mirabilis

C. Pod shape in pea

D. Colourblindness in human

Answer: A



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95. Fill in the blank: The main cause behind destruction of biodiversity is _____.

A. deforestation

B. illegal hunting

C. air pollution

D. interspecific competition

Answer: A



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