



BIOLOGY

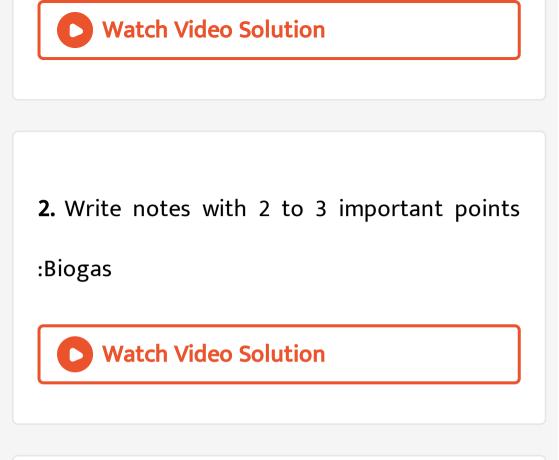
BOOKS - USHA BIOLOGY (ODIA ENGLISH)

VERY SIMILAR TEST

Very Similar Test

1. Write notes with 2 to 3 important points

:Pollen-pistil interaction



:Mutualism

4. Write notes with 2 to 3 important points
:Pleiotrophy
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5. Write notes with 2 to 3 important points

:Sanctuary

:Genome

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7. Differentiate between nuclear endosperm

and cellular endosperm

8. Differentiate between : Chromosome and

Mendelian factor.

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9. Differentiate between : Population and

community.



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.



12. Give an account of development of female

gametophyte in angiosperms.



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

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

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



16. Fill in the blanks: Absence of root, cuticle

and stomata are the characteristic of

A. Hydrophyes

B. mesophytes

C. Xerophytes

D. epiphytes

Answer: A

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

18. Fill in the blanks:Wind pollination is

common in _____.

A. Lilies

B. Grasses

C. Orchids

D. Legumes

Answer: B

19. Fill in the blanks: The main source of

biofertilizer are _____.

A. bacteria

B. Cyanobacteria

C. red algae

D. fungi

Answer: B

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

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

22. Fill in the blanks: When two organisms live

with mutual benefit, it is called ______.

A. Symboisis

B. Parasitism

C. autotropism

D. saprophytism

Answer: A

23. Species diversity means ___

A. Number of species

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

Answer: A



Tapetum

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25. Write notes with 2 to 3 important points :

Test cross



Genes

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27. Write notes with 2 to 3 important points :

Mycorrhizae



Birth rate

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29. Write notes with 2 to 3 important points :

Biosphere reserve

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



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.

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

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36. Discuss briefly the Mendel's laws of

inheritance.

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

A. Homogamous

B. heterogamous

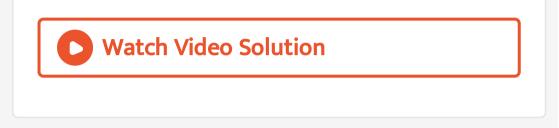
C. dichogamous

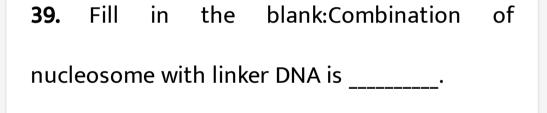
D. Cleistogamous

Answer: D

38. A cross between F_1 -hybrid and a recessive

parent gives the ratio of





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40. Fill in the blank:Barley malt is used as a raw material for the prepa-ration 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





Polygenic inheritance

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44. Write notes with 2 to 3 important points :

t-RNA

Single cell protein

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46. Write notes with 2 to 3 important points :

Age distribution

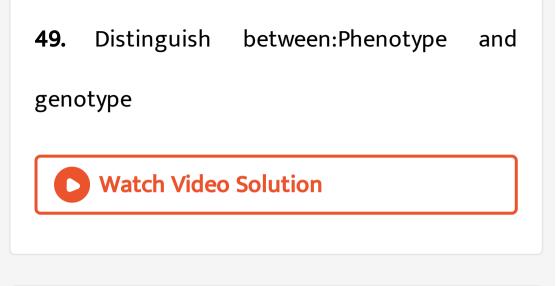
Pattern of biodiversity

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48. Differentiate between : Induction and

repression.





50. Distinguish between:Immigration and

emigration



51. Give an account of development of female

gametophyte in angiosperms.



52. Describe the double helical structure of DNA.



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

54. What do you mean by back cross and test

cross? Explain test cross through an example.

A. Neutral

B. Positively charged

C. Negatively charged

D. Both negitive and positive

Answer: A

56. Fill in the blank: Saccharomyces cerevisiae

yields _____.

A. amylase

B. lactase

C. Invertase

D. maltase

Answer: A

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

58. Fill in the blank: The functional megaspore

in angiosperm develpos into _____.

A. Endosperm

B. Embryo sac

C. Embryo

D. Ovule

Answer: A

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

:Dichogamy

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61. Write notes with 2 to 3 important points :

Linkage

:parasitism

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63. Write notes with 2 to 3 important points :

Antibiotic production

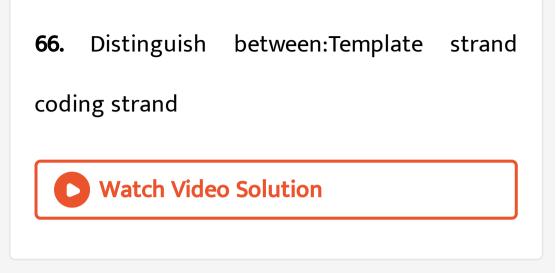
:DNA finger printing

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65. Write notes with 2 to 3 important points

:Global warming





67. Diatinguish between: Genetic diversity and

species diversity



68. Differentiate between syngamy and triple

fusion.

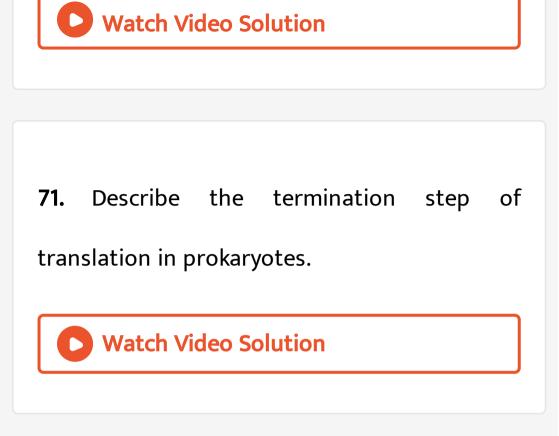


69. Give an account of development of female

gametophyte in angiosperms.



70. Describe the process of DNA replication.



72. Discuss briefly about the Monohybrid cross

performed by Mendel law(s) derived from it.



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



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

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

A. Heterozygous

B. Homozygous

C. Multizygous

D. Monozygous

Answer: C

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

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

National parks

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79. Write notes with 2 to 3 important points :

Biocontrol agents



Parthenocarpy

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81. Write notes with 2 to 3 important points :

Competition

:Nucleosome

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83. Write notes with 2 to 3 important points :

Bioreactor

84. Differentiate between : Euchromatin and

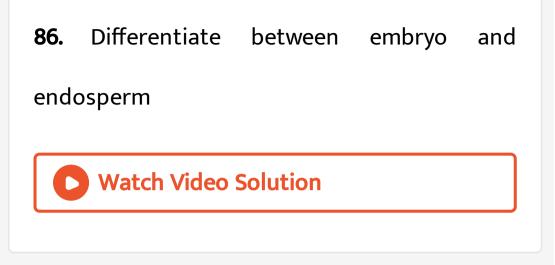
heterochromatin.

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85. Differentiate between : Grass land and

Savana.





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



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.



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 avialble

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