



Top-20 SSC CPO Biology Questions PDF

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Instructions

For the following questions answer them individually

Question 1

Mendel emasculated garden pea plant. Emasculation is the

- A removal of flower buds
- B removal of anthers before dehiscence
- C removal of carpels before dehiscence
- D removal of mature flowers

Answer: B

Question 2

A cross in which parents differ in a single pair of contrasting character is called

- A monohybrid cross
- B dihybrid cross
- C trihybrid cross
- D tetrahybrid cross

Answer: A

Question 3

The hybrid progeny in the first generation is called as

- A F₀
- B F₁
- C F₂
- D F'

Answer: B

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Question 4

Monohybrid ratio is

- A 9:3:3:1
- B 9:1
- C 9:3:1
- D 3:1

Answer: D

Question 5

The genotypic ratio of a monohybrid cross is

- A 3:1
- B 1:2:1
- C 2:1:1
- D 9:3:3:1

Answer: B

Question 6

F3 generation is obtained by

- A selfing of F1
- B selfing of F2
- C crossing of F1 and F2
- D none of these

Answer: B

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Question 7

The crossing of F1 to any one of the parents is called

- A back cross
- B test cross
- C F1 cross
- D all of these

Answer: A

Question 8

Monohybrid test cross ratio is

- A 3:1
- B 2:1
- C 1:1
- D 9:3:3:1

Answer: C

Question 9

The phenotypic dihybrid ratio is

- A 9:3:2:1
- B 9:3:2:2
- C 1:1
- D 9:3:3:1

Answer: D

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Question 10

The best method to determine the homozygosity and heterozygosity of an individual is

- A self- fertilization
- B back cross
- C test cross
- D inbreeding

Answer: C

Question 11

All of this obeys Mendel's laws except

- A Linkage
- B independent assortment
- C dominance
- D purity of gametes

Answer: A

Question 12

The innate tendency of offspring to resemble their parents is called

- A variation
- B heredity
- C inheritance
- D resemblance

Answer: B

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Question 13

Who is regarded as the father of genetics?

Multiple Choice Questions on Mendelian Genetics

- A Bateson
- B Morgan
- C Mendel
- D watson

Answer: C

Question 14

Mendel's findings were rediscovered by

- A De vries
- B Correns
- C tschermak
- D all of the above

Answer: D

Question 15

Genotype is the

- A genetic constitution
- B genetic constitution of the phenotype
- C trait expressed
- D expressed genes

Answer: A

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Question 16

The alternate forms of a gene is called

- A recessive character
- B dominant character
- C alleles
- D alternative gene

Answer: C

Question 17

The number of types of gametes produced by a homozygous individual is

- A 1
- B 2

C 3

D many

Answer: A

Question 18

Mendel was a

A Austrian biology teacher

B Austrian monk

C Austrian scientist

D Austrian mathematician

Answer: B

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Question 19

Peptide bond is a

A Covalent bond

B Ionic bond

C Metallic bond

D Hydrogen bond

Answer: A

Question 20

The average molecular weight of an amino acid residue in a protein is about

A 128

B 118

C 110

D 120

Answer: C

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