

The inheritance of trait that is determined by gene located on sex chromosomes is called.

- A. Sex linked trait
- B. Sex linked inheritance
- C. Sex dominant trait
- D. All of these

ANSWER: B

The example of X- linked recessive trait in human is.

- A. Colour blindness
- B. Hepatitis
- C. Polio
- D. AIDS

ANSWER: A

The most commonly used restriction enzyme during genetic engineering is.

- A. EcoR1
- B. EcoR2
- C. EcoR3
- D. EcoR4

ANSWER: A

One common type of vector used during genetic engineering is.

- A. Ribosome
- B. Nucleus
- C. Plasmid
- D. Cosmid

ANSWER: C

The group of genes linked together and not showing independent assortment is called.

- A. Linkage group
- B. Crossing over

C. Mutation

D. Interference

ANSWER: A

When one or more complete sets of chromosomes are involved in the aberration, the condition is called.

A. Haploidy

B. Diploidy

C. Aneuploidy

D. Euploidy

ANSWER: D

The individuals containing more than two multiples of the haploid chromosome sets are known as.

A. Haploidy

B. Diploidy

C. Aneuploidy

D. Polyploidy

ANSWER: D

Triticale is an example which polyploidy.

A. Allotetraploidy

B. Autotetraploidy

C. Both A and B

D. None of these

Answer: A

Rearrangement of genes in a part of chromosome is called.

A. Deficiency

B. Duplication

C. Inversion

D. Translocation

ANSWER: C

The movement of a segment of a chromosome between two non-homologous chromosomes is known as.

- A. Deficiency
- B. Duplication
- C. Inversion
- D. Reciprocal translocation

ANSWER: D

If the centromere is not the part of rearranged-chromosome segment, the inversion is said.

- A. Paracentric
- B. Pericentric
- C. Dicentric
- D. Polycentric

ANSWER: A

Addition of gene in a part of chromosome is known as.

- A. Deficiency
- B. Duplication
- C. Inversion
- D. Translocation

ANSWER: B

The nucleic acid polymer of deoxyribonucleotides is called.

- A. RNA
- B. DNA
- C. Nuclein
- D. All of these

ANSWER: B

Nitrogen base is attached to carbon number ----- of a pentose sugar.

- A. 1
- B. 2
- C. 3
- D. 4

ANSWER: A

A sequence of three nucleotides designating an amino acid is called.

- A. Codon
- B. Anticodon
- C. Both A and B
- D. None of these

ANSWER: A

In human, SRY gene is present on _____ chromosome of man.

- A. X
- B. Y
- C. Both X and Y
- D. XX

ANSWER: B

T.H. Morgan (1910) discovered sex linkage in.

- A. Honey bee
- B. Bird
- C. Moth
- D. Drosophilla

ANSWER: D

The ends of two different pieces of DNA joined with the help of special enzyme is known as.

- A. DNA amylase
- B. DNA gyrase

C. DNA nuclease

D. DNA ligase

ANSWER: D

Genes are isolated by cutting the chromosomes by using special enzyme is known as.

A. Restriction endonuclease

B. Restriction exonuclease

C. Restriction mutase

D. All of these

ANSWER: A

The phenomenon of crossing over between homologous chromosomes, takes place during.

A. Mitosis

B. Meiosis

C. Interphase

D. Both A and B

ANSWER: B

When an organism gains or losses one or more chromosome, but not complete set. the condition is termed as.

A. Haploidy

B. Diploidy

C. Aneuploidy

D. Polypoidy

ANSWER: C

Raphanobrassica is an exmple of which polypoidy.

A. Allotetraploidy

B. Autotetraploidy

C. Both A and B

D. None of these

ANSWER: A

Transfer of a segment of chromosome to another chromosome is called.

- A. Deficiency
- B. Duplication
- C. Inversion
- D. Translocation

ANSWER: D

Cri Due Chat Syndrome in human beings occur as a result of.

- A. Deficiency
- B. Duplication
- C. Inversion
- D. Translocation

ANSWER: A

If a segment of chromosome is turned around 180 degree and is reinserted into the chromosome, the condition is known as.

- A. Deficiency
- B. Duplication
- C. Inversion
- D. Translocation

ANSWER: C

If the centromere is a part of the inverted segment, the inversion is known as.

- A. Paracentric
- B. Pericentric
- C. Dicentric
- D. Polycentric

ANSWER: B

In some cases, a pair of homologous chromosome is lost ($2n-2$), such condition is known as.

- A. Monosomy
- B. Trisomy
- C. Tetrasomy
- D. Nullisomy

ANSWER: D

Deoxyribose is deficient in one oxygen atom at carbon number.

- A. 2
- B. 3
- C. 4
- D. 5

ANSWER: A

The nucleotides are linked with each other by.

- A. Phosphodiester bond
- B. Diphosphoester bond
- C. Phosphoester bond
- D. Ester bond

ANSWER: A

A specific tRNA molecule contains three consecutive ribonucleotides complementary to codon.

- A. Codon
- B. Anticodon
- C. Both A and B
- D. None of these

ANSWER: B