

## Inheritance

| Sr | Questions   | Answers Choice   |
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| 1  | Specific sequence of DNA nucleotides is copied in the form of mRNA in a process.  | A. Replication<br>B. Translation<br>C. Inheritance<br>D. <b>Transcription</b>  |
| 2  | Among following which is favourable variation in mouse?   | A. Light coloured skin<br>B. Medium coloured skin<br>C. <b>Dark coloured skin</b><br>D. All of these   |
| 3  | James Watson and Francis Crick proposed the structure of DNA in.  | A. 1953<br>B. 1963<br>C. 1933<br>D. 1922   |
| 4  | In an arranged data the value lying in the middle is called:  | A. Average<br>B. <b>Median</b><br>C. Mode<br>D. All of them  |
| 5  | It is a situation where in heterozygous genotypes, both the alleles express as a blend and neither allele is dominant over the other:   | A. Incomplete dominance<br>B. Co-dominance<br>C. Complete dominance<br>D. None of these  |
| 6  | Charles Darwin proposed that organisms produce many more offspring than can possibly survive on the limited amount of resources available to them. According to Darwin, the offspring that are most likely to survive are those that. | A. Are born first and grow fastest<br>B. Are largest and most aggressive<br>C. Have no natural predators<br>D. <b>Are best adapted to the environment.</b> |
| 7  | On which vegetable, Mendel carried out a large number of experiments?   | A. Pea<br>B. Tomato<br>C. Potato<br>D. Gabbage   |
| 8  | The actual location of gene on chromosome is.   | A. Locus<br>B. Karyotype<br>C. chromatids<br>D. Centromere   |
| 9  | The location or position of genes on chromosomes are called:  | A. Loci<br>B. Alleles<br>C. Phenotypes<br>D. Genotypes   |
| 10 | No. of hydrogen bonds between Adenine and thymine is:   | A. 2<br>B. 3<br>C. 4<br>D. 5   |
| 11 | Adenine always pairs with:  | A. thymine<br>B. guanine<br>C. cytosine<br>D. uracil   |
| 12 | How many contrasting pairs of characters of pea plant were studied by Mendel?   | A. one<br>B. three<br>C. five<br>D. <b>seven</b>   |
| 13 | It is a genetic material:   | A. DNA<br>B. RNA<br>C. tRNA<br>D. rRNA   |
| 14 | Chromatin is made up of:  | A. DNA<br>B. Protein<br>C. <b>DNA+ Protein</b><br>D. None of these   |
| 15 | DNA is surrounded by a protein and form a structure called:   | A. Nucleotide<br>B. Nucleoside<br>C. <b>Nucleosome</b><br>D. Nucleus   |

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16 The alternate forms of a gene are called:

A. traits  
B. companion genes  
**C. alleles**  
D. homologous genes

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17 Dominate alleles are represented by:

A. Small letters  
**B. Capital letters**  
C. Roman Numbers  
D. Numerical Numbers

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18 The relationship between the alleles IA and IB of the blood group is:

A. complete dominance  
B. incomplete dominance  
C. recessiveness  
**D. co-dominance**

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19 It is genetic material.

**A. DNA**  
B. RNA  
C. tRNA  
D. rRNA

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20 These are unit of inheritance.

**A. Genes**  
B. Alleles  
C. Phenotype  
D. Genotype

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