

MDCAT Biology Chapter 9 MCQ's Test

Sr	Questions	Answers Choice
1	When a haemophilic carrier woman marries a normal man, who among her offspring may be affected	A. all her children B. all her daughter C. half of her daughter D. half of her sons
2	Anti-Rh antibodies appear in plasma	A. During first few months B. During last months C. Only when stimulated D. If Rh ⁺ individual mistakenly receives Rh ⁻ blood
3	Queen victoria was having which kind of haemophilia	A. A B. B C. C D. None
4	Genes for alpha and beta chains of hemoglobin are found on which chromosomes?	A. Chromosome 16 alpha; chromosome 11 beta B. Chromosome 11 alpha; chromosome 16 beta C. Chromosome 11 D. Chromosome 16
5	Two parents of blood group A had a child of blood group O, what will be percentage chances of having such child again	A. 25% B. 50% C. 75% D. None
6	Sickle cell mutation affects	A. One beta chain B. Both beta chains C. Only alpha chain D. None of the alpha or beta chain
7	What is the 5th amino acid in sickle cell beta chain	A. Histidine B. Proline C. Leucine D. Valine
8	SRY is located at the tip of	A. Short arm of X-chromosome B. Short arm of Y-chromosome C. Long arm of Y-chromosome D. Long arm of X-chromosome
9	What are chances for having Rh-ve baby if one parent is Rh+ve and (homozygous) and other is Rh-ve	A. 25% B. 50% C. 100% D. 0%
10	Mutation may be caused by	A. Chemicals B. Radiations C. Mutagens D. All of these
11	Bilirubin	A. Turns skin Yellow B. Damages brain cells C. Causes jaundice D. All of these
12	Which of the following trait is transmitted directly from an affected to only its sons?	A. autosomal B. X-linked C. Y-linked D. X and Y linked
13	The chances of which hemophilia is equal in males & females	A. A B. B C. C D. All
14	Which of these traits zigzags from maternal grandfather through a carrier daughter to a grandson?	A. autosomal B. X-linked C. Y-linked D. X and Y linked

15	Man has _____ linkage group	A. 23 B. 21 C. 25 D. 46
16	Which enzyme deficiency leads to phenylketonuria	A. Phenylalanine oxidase B. Phenylalanine hydroxylase C. Phenylalanine synthase D. Phenylalanine carboxylase
17	Pseudo-autosomal genes are present on	A. X-chromosome B. Y-chromosome C. Both a & b D. Autosomes
18	What is the probability of having albino child if father and mother both are carrier(Aa)	A. 25% B. 30% C. 50% D. 75%
19	Point mutation occurs in	A. Sickle cell anemia B. Phenylketonuria C. Alkaptonuria D. All
20	A change in one or more bases of DNA, which results in the formation of an abnormal protein is	A. Moulting B. Transformation C. Mutation D. Fission