

MDCAT Biology Chapter 9 MCQ's Test

Sr	Questions	Answers Choice
1	Interaction of two loci	A. Pleiotropy B. Epistasis C. Dominance D. Differentiation
2	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%
3	Rh factor is encoded by	A. 2 genes which occupy 3 loci B. 3 genes which occupy 2 loci C. 2 genes which occupy 2 loci D. 3 genes which occupy 3 loci
4	A carrier mother for colour blindness does not have	A. A normal boy B. A carrier boy C. A colour blind boy D. A normal daughter
5	A phenotype which can't be expressed in heterozygous state but can only be expressed other in homo or hemi form, would be	A. Dominant B. Bombay C. Recessive D. Ordinary
6	In sickle cell beta chain glutamic acid is replaced by valine which is sixth amino acid from	A. N-Terminal B. C-Terminal C. R-Terminal D. H-Terminal
7	Which enzyme deficiency leads to phenylketonuria	A. Phenylalanine oxidase B. Phenylalanine hydroxylase C. Phenylalanine synthase D. Phenylalanine carboxylase
8	What is the probability of having albino child if father and mother both are carrier(Aa)	A. 25% B. 30% C. 50% D. 75%
9	The two linked genes A and B with a 30% recombination frequency must be	A. 15 units apart B. 30 units apart C. 60 units apart D. 90 units apart
10	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
11	Point mutation occurs in	A. Sickle cell anemia B. Phenylketonuria C. Alkaptonuria D. All
12	Diabetes is the leading cause of	A. Kidney failure B. Adult blindness C. Heart disease D. All of these
13	Man has _____ linkage group	A. 23 B. 21 C. 25 D. 46
14	SR Y 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
15	Degenerated testes are present in abdomen in which of these cases	A. Down's syndrome B. Klinefelter's syndrome C. Turner's syndrome

D. Testicular feminization

16	Color blindness, haemophilia and gout form linkage group on j	A. Chromosome 9 B. Chromosome 19 C. x-chromosome D. y-chromosome
17	How many kinds of rhodopsins, a blue cone monochromate will have	A. 3 B. 2 C. 1 D. No rhodopsins
18	Homogenetic acid is oxidized rapidly when exposed to air, turning the urine	A. White B. Purple C. Blue D. Black
19	What happens when both alleles of a gene pair independently express in a heterozygote?	A. dominance B. incomplete dominance C. over dominance D. codominance
20	Which can convert glucose to glucose 6 phosphate	A. Hexokinase B. Glucokinase C. Phospho fructokinase D. Both a & b