

MDCAT Biology Chapter 9 MCQ's Test

Sr	Questions	Answers Choice
1	Insulin receptors are present in	A. Cytoplasm of muscle cells B. Cell membrane of liver cells C. Cell membrane of muscles and liver cells D. Cell membrane of all body cells
2	How many kinds of rhodopsins, a blue cone monochromate will have	A. 3 B. 2 C. 1 D. No rhodopsins
3	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
4	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
5	Color blindness, haemophilia and gout form linkage group on	A. Chromosome 9 B. Chromosome 19 C. x-chromosome D. y-chromosome
6	Genes can be mapped on chromosomes on the basis of	A. Sex linkage B. Assortment C. Recombination frequency D. Gene sequencing
7	Bilirubin	A. Turns skin Yellow B. Damages brain cells C. Causes jaundice D. All of these
8	Mutations are inherited only if they occur in the	A. Gland cells B. Gametes C. Muscle cells D. Somatic cells
9	Blood pressure is also an example of _____ trait	A. Multifactorial B. Qualitative C. Single genic D. Both a & b
10	Which of the following traits is not sex-linked recessive ?	A. haemophilia B. colour blindness C. hypophosphatemic ricket D. tfm syndrome
11	There are _____ total possible genotypes of blood group ABO system	A. 3 B. 4 C. 6 D. 7
12	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
13	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
14	What is the probability of having albino child if father and mother both are carrier(Aa)	A. 25% B. 30% C. 50% D. 75%
		A. dominance

15	What happens when both alleles of a gene pair independently express in a heterozygote?	B. incomplete dominance C. over dominance D. codominance
16	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
17	If six cells out of 10, do crossing over what will be percentage of cross over gametes	A. 60% B. 30% C. 40% D. 50%
18	Man has _____ linkage group	A. 23 B. 21 C. 25 D. 46
19	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
20	The chances of which hemophilia is equal in males & females	A. A B. B C. C D. All