

MDCAT Biology Chapter 9 Life process in Animals & Plants Online Test

Sr	Questions	Answers Choice
1	Mutations are inherited only if they occur in the	A. Gland cells B. Gametes C. Muscle cells D. Somatic cells
2	In case of sickle cell anemia, in place of glutamic acid, _____ is found	A. Histidine B. Valine C. Proline D. Leucine
3	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
4	Interaction of two loci	A. Pleiotropy B. Epistasis C. Dominance D. Differentiation
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	What is the probability of having albino child if father and mother both are carrier(Aa)	A. 25% B. 30% C. 50% D. 75%
7	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
8	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%
9	Bilirubin	A. Turns skin Yellow B. Damages brain cells C. Causes jaundice D. All of these
10	There are _____ total possible genotypes of blood group ABO system	A. 3 B. 4 C. 6 D. 7
11	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
12	Color blindness, haemophilia and gout form linkage group on	A. Chromosome 9 B. Chromosome 19 C. x-chromosome D. y-chromosome
13	If the distance of 20 map units is found among two linked loci what would be the percentage of cross gametes	A. 40% B. 60% C. 20% D. 10%
14	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%
15	Genes can be mapped on chromosomes on the basis of	A. Sex linkage B. Assortment C. Recombination frequency

16 Queen victoria was having which kind of haemophilia

- A. A
- B. B
- C. C
- D. None

17 What will be the risk of haemophilia in sons if father is haemophilic and mother is normal

- A. 0%
- B. 20%
- C. 25%
- D. 50%

18 Which can convert glucose to glucose 6 phosphate

- A. Hexokinase
- B. Glucokinase
- C. Phospho fructokinase
- D. Both a & b

19 A blue cone monochromate

- A. Can perceive two colours
- B. Can't perceive any colour
- C. Can perceive only blue colour
- D. Can perceive only red colour

20 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