

MDCAT Biology Chapter 7 MCQ's Test

Sr	Questions	Answers Choice
1	Which of the following acts as a bridge between enzyme and substrate?	A. Activator B. Cofactor C. Prosthetic group D. Apo-enzyme
2	Optimum pH of all human enzymes is	A. Variable B. Same C. Acidic D. Alkaline
3	Which of the following is Koshland model	A. Active site is rigid B. Active site may be molded to precise shape C. Position of active site is moveable D. None
4	By adding _____ in neutral pH, we get the optimum pH of pancreatic lipase	A. 1 B. 2 C. 3 D. 4
5	Succinic acid is the ____ of succinic dehydrogenase which undergoes ____	A. Active site, reduction B. Prosthetic group, reduction C. Substrate, oxidation D. Substrate, reduction
6	Following substances can act as inhibitors, except	A. Cyanide B. Antimetabolites C. Antibodies D. Poisons
7	The competitive inhibitor competes with the	A. Enzyme B. Cofactor C. Substrate D. Coenzyme
8	_____ can be checked by increasing substrate concentration	A. Reversible inhibition B. Irreversible inhibition C. Noncompetitive inhibition D. Competitive inhibition
9	If substrate concentration is unlimited, rate of enzyme action becomes	A. Inversely proportional to enzyme concentration B. Directly proportional to enzyme concentration C. Directly proportional to substrate Concentration D. Inversely proportional to substrate Concentration
10	Which of the following is an example of ribozyme	A. Aminopeptidase B. Pancreatic lipase C. Peptidyl transferase D. Cytochrome oxidase
11	If non protein part is covalently bonded to the protein part of enzyme, it is known as	A. Coenzyme B. Prosthetic group C. Activator D. Cofactor
12	Nicotinamide adenine dinucleotide is an example of	A. Cofactor B. Coenzyme C. Prosthetic group D. Nucleotide
13	About three billion base pairs are present in the genome of a	A. Horse B. Dog C. Man D. Monkey
14	At high substrate level, all the active sites of enzyme are	A. Destroyed B. Available C. Degenerated D. Saturated

D. Occupied

15 Succinic acid dehydrogenase +succinic acid and high concentration of malonic acid?

- A. Maleic acid
- B. Fumaric acid
- C. No reaction
- D. Oxalic acid

16 Enzymes cannot work in which of the following

- A. Aqueous medium
- B. Dry medium
- C. Acidic medium
- D. Alkaline medium

17 Many enzymes are simply dissolved in the

- A. Nucleoplasm
- B. Stroma of chloroplast
- C. Cytoplasm
- D. Matrix of mitochondria

18 Allosteric enzymes have ___ major sites

- A. 1
- B. 2
- C. 3
- D. 4

19 Both ___ and ___ are detachable cofactors

- A. Apoenzyme, holoenzyme
- B. Activator, coenzyme
- C. Coenzyme, prosthetic group
- D. Prosthetic group, activator

20 Flavin adenine dinucleotide is a

- A. Prosthetic group
- B. Activator
- C. Coenzyme
- D. Inhibitor