

MDCAT Biology Online Test

Sr	Questions	Answers Choice
1	Which of the following properties is incorrect for both mitochondria and chloroplast?	A. Both have an electron transport system B. ATP synthesis C. Both are present in all cells D. Both have double membrane structures
2	The amount of energy left after plants have met their respiratory needs shows up the plant:	A. Not productivity B. Gross productivity C. Secondary productivity D. Bio energy
3	Which eat consumers	A. Predators B. Carnivores C. Omnivores D. All
4	Oxidative metabolism is carried out ____ of mitochondria	A. In the intramembrane space B. On the surface of inner membrane C. In the inside of outer membrane D. In the matrix
5	What is the risk of a colour blind child in a family when mother is colour-blind but father is normal?	A. 100% B. 75% C. 50% D. 25%
6	Which one of the following enzymes have slightly acidic pH as optimum pH?	A. Sucrase B. Enterokinase C. Pepsin D. Catalase
7	Ozone is present at about _____ km above earth	A. 5 -10 B. 10 - 20 C. 10 - 40 D. 10 - 50
8	This is a ----- relationship between algae and fungi	A. Symbiotic B. Mutualistic C. Parasitic D. Mycorrhizal
9	Tick the biotic (intra-specific) factors:	A. Wave action, humidity, light B. Colonization, aggregation, parental care C. Neutralism, mutualism, predation D. Mineral elements, mutualism, parasitism
10	Hormones secreted by follicles in female	A. Estrogen B. Progesterone C. FSH D. Both a and b
11	In coniferous alpine and boreal forest the temperature ranges from:	A. 0°C to 10°C B. Below freezing point up to 10°C C. Below freezing point up to 15°C D. 0°C to 15°C
12	Several bacteria in soil oxidize ammonia or ammonium ions this oxidation is known as	A. Ammonification B. Nitrification C. Assimilation D. All of above
13	The establishment of stable vegetation on an area is termed as	A. Plant succession B. Animal succession C. Succession D. All of the above
14	Eukaryotes are thought to have evolved firstly about:	A. 1.3 billion year ago B. 1.5 billion year ago C. 1.7 billion year ago D. 1.2 billion year ago

15	_____ lichens are the examples of foliose lichens	A. Dermatocarpon B. Parmelia C. Both a and b D. None of above
16	It is incorrect statement about hormones	A. Endocrine secretion B. Initiate metabolism C. Organic D. Transported by blood
17	Omnivores are described by how many trophic levels	A. Any 2 B. Any 3 C. Any 1 D. Primary & any higher
18	Major unit of ecology is :	A. Ecosystem B. Community C. Biosphere D. Population
19	In lytic cycle, the relationship between bacterium and bacteriophages is	A. Symbiotic B. Master-slave C. Husband wife D. Host-guest
20	Which of the following is not an enzyme of HIV	A. Reverse transcriptase B. Integrase C. Protease D. Ligase