

MDCAT Biology Chapter 10 Prokaryotes Online Test

Sr	Questions	Answers Choice
1	The dominance relations of a 4 O'clock plant can be described in terms of	A. Complete dominance B. Incomplete dominance C. Partial dominance D. Both B and C
2	Which of the following cross is carried to check the genotype of an individual showing a dominant phenotype	A. Check cross B. Test Cross C. Criss cross D. Self cross
3	Rh factor or antigen was first studied in	A. Man B. Owl C. Monkey D. Fish
4	An exchange of segments between non-sister chromatids of homologous chromosomes during meiosis is termed as	A. Crossing over B. Hopping C. Taking over D. Segregation
5	All chromosomes other than sex chromosomes are called	A. Linked Chromosomes B. Autosomes C. Autophagosomes D. Dictyosomes
6	X and Y linked genes are also called as	A. Sex genes B. Dominant genes C. Autosomal genes D. Pseudoautosomal genes
7	Tritanopia is blindness of	A. Red Colour B. Green Colour C. Blue Colour D. Pink Colour
8	Normal fruit flies have	A. White eyes B. Bright red eyes C. Light red eyes D. Black eyes
9	Allele for whiteness in Drosophilla is	A. Recessive B. Codominant C. Dominant D. Partially dominant
10	The processes that have transformed life on earth from its earliest forms to the vast diversity that we observe today, are collectively referred as	A. Evolution B. Succession C. Revolution D. All of above
11	The first person who argued from evidence that species were not created in their present form rather they had evolved from ancestral species was	A. Aristotle B. Lamarck C. Darwin D. Mendel
12	Darwin proposed a mechanism for evolution, which he termed	A. Natural selection B. Special reaction C. Adaptation D. Descent with modification
13	The concept that all living things came into existence in their present forms especially created by Nature is called as	A. Theory of special creation B. Theory of special selection C. Theory of natural creation D. Theory of natural selection
14	Among the scientists who believed in divine creation as	A. Darwin B. Carolous Linnaeus C. Lamarck D. Wallace
15	Essay on "Principle of population" was published by	A. Cuvier B. Mendel C. Malthus D. Darwin

16	Essay on "Principles of geology" was published by	A. Wallace B. Malthus C. Lyell D. Cuvier
17	The prokaryotes may have arisen more than	A. 420 million years ago B. 42 billion years ago C. 3.5 billion years ago D. 1.5 billion years ago
18	Endosymbiont hypothesis was first proposed by	A. Lynn Margulis B. Malthus C. Cuvier D. Darwin
19	According to endosymbiont hypothesis the aerobic bacteria developed into	A. Lysosomes B. Mitochondria C. Chloroplast D. Nucleus
20	Which of the following hypothesis involved the evolution of eukaryotic cell from a prokaryotic cell	A. Endosymbiont hypothesis B. Membrane invagination hypothesis C. Vent hypothesis D. Both A and B
21	Lamarck was in charge of invertebrate collection at Natural History Museum in	A. Berlin B. Paris C. California D. Brun
22	Lamarck published his theory of evolution in	A. 1822 B. 1812 C. 1817 D. 1809
23	The idea of inheritance of acquired characteristics was presented by	A. Margulis B. Lamarck C. Linnaeus D. Cuvier
24	Charles Darwin was born in Shrewsbury, in Western England in	A. 1854 B. 1807 C. 1809 D. 1866
25	Which of the following things were not collected by Darwin?	A. Specimens of diverse faunas and floras of south America B. South American fossils C. 13 types of finches D. Turtles
26	Darwin published "The Origin of Species" in	A. 1840 B. 1844 C. 1858 D. 1859
27	Wallace developed a Theory of Natural Selection similar to that of	A. Lamarck B. Linnaeus C. Darwin D. Lyell
28	According to Darwin descent with modification means	A. Same ancestor B. Same characters C. Different ancestors D. Different characters
29	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%
30	Population is a localized group of individuals belonging to :	A. same species B. different species C. same community D. same stand
31	Darwin collected 13 types of birds of :	A. Robins B. Sparrows C. Kingfishers D. Finches
32	Archaeobacteria could tolerate temperatures up to :	A. 140°C B. 120°C C. 95°C D. 70°C
33		A. 600 B. 400

33	Endangered plant species have been recorded to more than:	<p>A. 100</p> <p>C. 500</p> <p>D. 300</p>
34	Eukaryotes are thought to hve evolved firstly about:	<p>A. 1.3 billion year ago</p> <p>B. 1.5 billion year ago</p> <p>C. 1.7 billion year ago</p> <p>D. 1.2 billion year ago</p>
35	Gene pool consists of all alleles at all gene loci in all individuals of the:	<p>A. community</p> <p>B. species</p> <p>C. population</p> <p>D. family</p>
36	The change in frequency of alleles at a locus that occurs by chance is called :	<p>A. genetic drift</p> <p>B. genetic change</p> <p>C. gene mutation</p> <p>D. gene frequency</p>
37	The idea of endosymbiont hypothesis was first proposed by:	<p>A. Lynn marguils</p> <p>B. Wallace</p> <p>C. Karlene Schwartz</p> <p>D. Lamarck</p>
38	Ultimate source of all changes is :	<p>A. Mutation</p> <p>B. Genetic drift</p> <p>C. Evolution</p> <p>D. Migration</p>
39	Armadillos, the armoured mammals live only in :	<p>A. Asia</p> <p>B. Europe</p> <p>C. America</p> <p>D. Africa</p>
40	Genetic basis of ABO blood group system was explained by:	<p>A. Landsteiner</p> <p>B. Levine</p> <p>C. Bernstein</p> <p>D. Carl Correns</p>
41	The dominance relations of 4 O'clock plant can be described in terms of :	<p>A. Complete Dominance</p> <p>B. Incomplete Dominance</p> <p>C. Partial Dominance</p> <p>D. Both b and c</p>
42	Which of the following cross is carried to check the genotype fo an individuals showing a dominant phenotype ?	<p>A. Check cross</p> <p>B. Test Cross</p> <p>C. Criss Cross</p> <p>D. Self Cross</p>
43	Rh factor or antigen was first studied in :	<p>A. Man</p> <p>B. Owl</p> <p>C. Monkey</p> <p>D. Fish</p>
44	An exchange of segments between non-sister chromatids of homologous chromosomes during meiosis is termed as :	<p>A. Crossing over</p> <p>B. Hopping</p> <p>C. Taking over</p> <p>D. Segregation</p>
45	All chromosomes other than sex chromosomes are called :	<p>A. Linked chromosomes</p> <p>B. Atusomes</p> <p>C. Autophagosomes</p> <p>D. Dictyosomes</p>
46	X and Y linked genes are also called as :	<p>A. Sex genes</p> <p>B. Dominant genes</p> <p>C. Autosomal genes</p> <p>D. Pseudoautosomal genes</p>
47	Tritanopia is blindness of :	<p>A. Red Colour</p> <p>B. Green Colour</p> <p>C. Blue Colour</p> <p>D. Pink Colour</p>
48	Normal fruit flies have :	<p>A. White eyes</p> <p>B. Bright red eyes</p> <p>C. Light red eyes</p> <p>D. Black eyes</p>
49	Allele for whiteness in Drosophila is :	<p>A. Recessive</p> <p>B. Codominant</p> <p>C. Dominant</p> <p>D. Partially Dominant</p>
50	The processes that have transformed life an earth form its earliest forms to the vast diversity that we observe today, are collectively referred as :	<p>A. Evolution</p> <p>B. Succession</p> <p>C. Revolution</p> <p>D. All of above</p>

