

## MDCAT Biology Chapter 3 MCQ's Test

Sr	Questions	Answers Choice
1	The exact sequence in the staining of bacteria is as:	A. Crystal violet - alcohol - Safranin - iodine B. Iodine - alcohol - Crystal Violet - Safranin <b>C. Crystal violet - Iodine - Alcohol - Safranin</b> D. Crystal violet - Iodine - Safranin - alcohol
2	Which of the following is an infectious protein particle:	A. Capsid B. Prion <b>C. Virion</b> D. Retrovirus
3	Pili are primarily involved in a mating process between cells called:	A. Plasmogamy B. Budding <b>C. Akinetes</b> D. Conjugation
4	Early researches on bacteriophages were on those who infect?	A. Pseudomonas B. Rhizobium C. B. coil <b>D. E. coil</b>
5	Parasitic bacteria are fully dependent on their host for their:	A. Respiration B. Excretion <b>C. Nutrition</b> D. Growth
6	Infected person can be recovered completely from hepatitis	A. A B. B <b>C. Both a and b</b> D. C
7	Spores (teliospores) of Ustilago tritici are carried by:	A. Water B. Insects <b>C. Wind</b> D. Birds
8	Which of the following statement is correct?	A. All bacteria are autotrophic B. All bacteria are heterotrophic C. All bacteria are photosynthetic <b>D. Most bacteria are heterotrophic but some are autotrophic</b>
9	Ascomycetes are commonly known as	A. Club fungi <b>B. Sac fungi</b> C. Imperfect fungi D. Deuteromycetes
10	During 1st step of reverse transcription which is used as template?	<b>A. DNA</b> B. Single stranded RNA C. Both a & b D. Double stranded RNA
11	Hollow, nonhelical, filamentous appendages in bacteria are:	A. Cilia B. legs C. flagella <b>D. pili</b>
12	Rusts and smuts come under	<b>A. Notorious</b> B. Delicacies C. Slime molds D. Diatoms
13	The oyster mushroom paralyses the:	A. Earthworms <b>B. Nematodes</b> C. Leeches D. Nereis
14	Cyanobacteria form symbiotic association with	A. Protozoa <b>B. Fungi</b> C. Nitrogen fixing species D. All these

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15 Phycocyanin pigment is predominant phycobilin of:

A. Bacteria  
B. Cyanobacteria  
C. Diatoms  
D. Golden brown algae

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16 The organism that obtains carbon and energy from organic matter is

A. Heterotroph  
B. Autotroph  
C. Chemosynthetic  
D. Parasite

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17 The group algae possesses representative belonging to kingdom.

A. Protista&nbsp;  
B. Monera  
C. Plantae  
D. Slime molds

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18 Fruiting body formed of slime moulds is:

A. Basidium  
B. Spores  
C. Sporangium  
D. Conidium

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19 The structure of the phage \_\_\_\_\_ is relatively more complex

A. Tail core  
B. Head  
C. Genome  
D. Tail

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20 The diameter ranging 0.75 to 1.25  $\mu$  has been observed in:

A. Staphylococci  
B. Streptococci  
C. Diplococci  
D. Both a & b

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