

## MDCAT Biology Chapter 3 MCQ's Test

| Sr | Questions  | Answers Choice   |
|----|--|--|
| 1  | Diameter of E.coli is _____ to _____ micrometer                                      | A. 1.1-1.5<br>B. 1.1-1.6<br>C. 2.0-4.0<br>D. 2.0-6.0   |
| 2  | Christain Gram developed the technique of:   | A. DNA staining<br>B. Feulgen reaction<br>C. Gram staining<br>D. RNA staining  |
| 3  | The smallest bacteria are some members of the genus:                                 | A. Microcystis<br>B. Mycoplasma<br>C. Closteridium<br>D. Pseudomonas   |
| 4  | Facultative bacteria grow either in the presence absence of:                         | A. Carbon<br>B. Nitrogen<br>C. hydrogen<br>D. Oxygen   |
| 5  | Fungi resemble plants in that  | A. It possesses cell wall<br>B. Lacks locomotion<br>C. The centrioles are absent<br>D. All these   |
| 6  | Cyanobacteria are photosynthetic partner in most of .... association.                | A. Lichen<br>B. Fungal<br>C. algal<br>D. Plant   |
| 7  | In which phase death rate becomes equal to rate of reproduction                      | A. Lag phase<br>B. Log phase<br>C. Stationary phase<br>D. Decline phase  |
| 8  | The oyster mushroom paralyses the:   | A. Earthworms<br>B. Nematodes<br>C. Leeches<br>D. Nereis   |
| 9  | An isolated virus is not considered living since it:                                 | A. Separates into two inert parts<br>B. It coated with an air tight shield<br>C. Rapidly loses its genome chemically inert<br>D. Cannot metabolize |
| 10 | The largest brown algae are called:  | A. diatoms<br>B. kelps<br>C. Dinoflagellates<br>D. Gelidium  |
| 11 | The shells of foraminifera made up of:   | A. Silica<br>B. Calcium carbonate<br>C. Sponging fibers<br>D. Sodium Hydroxide   |
| 12 | Beware of poisonous mushrooms called the toadstools, such as:                        | A. Death cap/death angel<br>B. Amanita<br>C. Jack-O lantern mushroom<br>D. All a, b, c   |
| 13 | Except to spierillia, bacillus and coclc, bacteria are found in which of the shapes: | A. Trichome formation and sheathed<br>B. Stalked and square<br>C. Star shaped and spindle shaped<br>D. All of the above                            |
| 14 | Which of the following is not an economic importance of bacteria?                    | A. Production of antibiotics<br>B. Spoilage of food and vegetables<br>C. Able to decompose organic matter<br>D. Use in biotechnology               |
| 15 | Classification of algae into phyla is largety based the composition of:              | A. cell wall<br>B. Cell membrane<br>C. cytoplasm   |

D. pigment

16 Which of the following is primary function of capsule

- A. Transport
- B. Support
- C. Motility
- D. Adhesion

17 Which of the following is free living zooflagellates:

- A. Trichonympha
- B. Trypanosoma
- C. Choanoflagellates
- D. Entamoeba

18 All of the following fungi are pathogens except

- A. Rusts
- B. Smuts
- C. Molds
- D. Mushrooms

19 Fungi form mutualistic or symbiotic associations in:

- A. Lichens
- B. mycorrhizae
- C. Both a & b
- D. Commensalism

20 Fruiting body formed of slime moulds is:

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