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**Max Time : 1 hr** **Class = 11th Biology Test Max Marks : 30**

**Topic: Biological Classification**

1. Multiple choice questions [ 1 X 10 = 10]
2. A group of fungi with septate mycelium in which sexual reproduction is absent are classified under :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Phycomycetes | b) Deuteromycetes | c) Ascomycetes | d) Basidiomycetes |

1. Match column I and column II

|  |  |  |
| --- | --- | --- |
| Column I | Column II | |
| A. Rod shaped | I. Coccus | |
| B. Spherical | II. Bacillus | | |
| C. Spiral shaped | III. Vibrio | |
| D. Comma shaped | IV. Spirillum | |
| a) A – III ; B – II ; C – I ; D – IV | | | b) A – IV ; B – III ; C – II ; D – I | | |
| c) A – II ; B – I ; C – IV ; D – III | | | d) A – I ; B – IV ; C – III ; D – II | | |

1. Which bacteria would function best in hot temperatures (45 - 60) ?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Psychrophiles | b) Thermophiles | c) Mesophiles | d) all of these |

1. Plasmodium, the parasite belongs to class :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Sarcodina | b) Ciliata | c) Sporozoa | d) Dinophyceae |

1. Diatoms frustule/shell is made up of :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Silica | b) lime | c) Magnesium carbonate | d) Any of the above |

1. Locomotory structures are absent in :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Sprozoans | b) Ciliates | c) zooflagellates | d) Rhizopods |

1. Match column I and column II

|  |  |  |
| --- | --- | --- |
| Column I | Column II | |
| A. Chrysophytes | I. Paramecium | |
| B. Dinoflagellates | II. Euglena | | |
| C. Euglenoids | III. Gonyaulax | |
| D. Protozoans | IV. Diatoms | |
| a) A – I ; B – III ; C – II ; D – IV | | | b) A – II ; B – IV ; C – III ; D – I | | |
| c) A – IV ; B – II ; C – III ; D – I | | | d) A – IV ; B – III ; C – II ; D – I | | |

1. Pseudomycelium is characteristic feature of ;

|  |  |  |  |
| --- | --- | --- | --- |
| a) Mushroom | b) Mucor | c) Bread mould | d) Yeast |

1. Thread like filaments of fungi are known as :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Conidia | b) Mycorrhiza | c) Sporangium | d) Hyphae |

1. The fact that viruses can undergo crystallization was first proved by :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Iwanowski | b) Mayer | c) Stanley | d) Hershey and Chase |

1. Define paramylon? [ 1 }
2. \_\_\_\_\_\_\_\_\_\_\_ is the richest source of protein and also called as single celled protein [ 1 ]
3. Define Algal bloom. [ 1 ]
4. Inward extension of plasma membrane in cyanobacteria is? [ 1 ]
5. Write note on Mycoplasma. [ 1 ]
6. What do the terms Phycobiont and Mycobionts? [ 2 ]
7. How are viroids different from virus? [ 2 ]
8. What is the nature of cell walls in diatoms? [ 2 ]
9. What are (i) Methanogens (ii) Halophiles (iii) Thermoacidophiles [ 3 ]
10. Describe 4 major group of protozoans? [ 3 ]
11. Draw the well labelled structure of a typical bacterial cell and Explain the function of any 2 structures in the cell.

[ 3 ]