**Neha Malhotra** **R.L. Institute M: 9416974837**

**Max Time : 1 hr** **Class = 11th Biology Test Max Marks : 20**

**Topic: Monera**

1. Multiple choice questions : [ 1 X 5 = 5]
2. A few organisms are known to grow and multiply at temperatures of 100 – 105. They belongs to :

|  |  |
| --- | --- |
| a) Thermophilic sulphur bacteria | b) Hot spring blue green algae |
| c) Methanogenic bacteria | d) Marine Archaebacteria |

1. Match column I and column II

|  |  |  |  |
| --- | --- | --- | --- |
| Column I | Column II | | |
| A. Obligate aerobes | I. Ordinarily aerobic but may also grow in absence of O2 | | |
| B. Facultative anaerobes | II. Can grow in the absence of free O2 | |
| C. Obligate anaerobes | III. Ordinarily anaerobic but may also grow in presence of O2 | | |
| D. Facultative aerobes | IV. Can grow in the presence of free O2 | | |
| a) A – II ; B – III ; C – IV ; D – I | | | b) A – IV ; B – I ; C – II ; D – III | | |
| c) A – IV ; B – I ; C – III ; D – II | | | d) A – IV ; B – II ; C – III ; D – I | | |

1. In which of the following are heterocysts seen?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Chara | b) Polysiphonia | c) Spirogyra | d) Nostoc |

1. In bacteria, the sites for respiratory activity is found in :

|  |  |
| --- | --- |
| a) Episomes | b) Microsome |
| c) Ribosome | d) Cell membrane / Mesosomes |

1. Which among the following is the smallest living cell, known without a definite cell wall, pathogenic to both plants and animals and can survive without oxygen?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Pseudomonas | b) Mycoplasma | c) Nostoc | d) Bacillus |

1. Archaebacteria cell wall is made up of ………………………………. . [ 1 ]
2. \_\_\_\_\_\_\_\_\_\_\_ is the richest source of protein and also called as single celled protein [ 1 ]
3. Which organism is called “Joker of Plant Kingdom”? [ 1 ]
4. Differentiate between Bacteria and cyanobacteria. [ 2 ]
5. Explain the heterotropic mode of nutrition of bacteria. [ 2 ]
6. Write economic importance of Bacteria. [ 3 ]
7. Draw the well labelled structure of a typical bacterial cell and Expalin the function of any 2 structures in the cell. [ 5 ]

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