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**Max Time : 1 hr** **Class = 11th Biology Test Max Marks : 40**

**Topic: Unit – 1 , Morphology in Flowering plants**

**(Diversity of Living Organisms)**

**Section – A [ 1 X 9 = 9 ]**

1. Rhodophyceae are red in colour due to presence of

|  |  |  |  |
| --- | --- | --- | --- |
| a) Fucoxanthine | b) Phycocyanin | c) Phycoerythrin | d) carotene |

1. The alternation of generations the sporophytes generation is \_\_\_\_\_\_ and the gametophytes generation is \_\_\_\_\_ .

|  |  |  |  |
| --- | --- | --- | --- |
| a) N , 2N | b) 2N , 2N | c) 2N , N | d) N , N |

1. The tallest gymnosperm is

|  |  |  |  |
| --- | --- | --- | --- |
| a) sequoia | b) Pinus | c) Ginkgo | d) Cycas |

1. Branched stem is found in

|  |  |  |  |
| --- | --- | --- | --- |
| a) Cycas | b) Cycas + Cedrus | c) Pinus + Cedrus | d) Pinus |

1. Scales in chondrichthyes are :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Placoid | b) Glenoid | c) sesamoid | d) Cycloid |

1. Root developed from parts of the plant other than radicle is called :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Tap root | b) Fibrous root | c) adventitious root | d) Nodular root |

1. Which of the following is the common characteristic feature of birds and mammals :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Pigmented skin | b) Feathers | c) Viviparity | d) Warm blooded |

1. Acoelomate animal with flame cell are :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Platyhelminthes | b) Annelida | c) Aschelminthes | d) Arthropoda |

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 |

**Section – B [ 1 X 6 = 6 ]**

1. Define Conjugation.
2. Urochordata and cephalochordate collectively called as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Or**

Which fungi is called as Imperfect fungi?

1. Inward extension of plasma membrane in cyanobacteria is …………
2. Define Phyllotaxy.
3. Define paramylon.
4. Define Taxonomy.

**Section – C [ 2 X 5 = 10 ]**

1. How are viroids different from virus?
2. Define main characteristics of Dinoflagellates?

**Or**

Define main characteristics of Euglenoids?

1. Write economic importance and floral formula of Solanaceae family.
2. Write the rules for Binomial nomenclature.
3. Define polymorphism? Name the cnidaria which shows polymorphism?

**Section – D [ 3 X 5 = 15 ]**

1. Describe the characteristics features of Phylum Arthropoda and Echinodermata
2. What are (i) Methanogens (ii) Halophiles (iii) Thermoacidophiles
3. Describe 4 major group of protozoans?
4. Differentiate: (a) endospermic and non-endospermic seeds (b) Roots and Stem
5. With the help of schematic diagram explain the life cycle of pteridophytes

**Or**

With the help of schematic diagram explain the life cycle of gymnosperm