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**Max Time : 2 hr** **Class = 11th Biology Test Max Marks : 50**

**Topic: Unit – 1**

**(Diversity of Living Organisms)**

**Section – A [ 1 X 10 = 10 ]**

1. The place where dried, pressed , identified specimens are kept for reference called

|  |  |
| --- | --- |
| a) Herbarium | b) museum |
| c) National History society | d) plant preservation laboratory |

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

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

1. Bioluminescence is well marked in:

|  |  |  |  |
| --- | --- | --- | --- |
| a) Flatworms | b) Ctenophores | c) Cnidarians | d) Aschelminthes |

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 5 = 5 ]**

1. Define Siphnogamy
2. Female gametophyte of angiosperm contains \_\_\_\_\_\_\_ celled and \_\_\_\_\_\_ nuclei.
3. 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 paramylon?

**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. What do the terms Phycobiont and Mycobionts?
2. Define polymorphism? Name the cnidaria which shows polymorphism?
3. Define Gemma cup?

**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. Expand : (i) ICZN (ii) ICBN (iii) ICNCP
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

**Section – E [ 5 X 2 = 10 ]**

1. Write a note on double fertilization and explain with the help of diagram.
2. Define the following terms :

(i) Phylum (ii) Museum (iii) Flora (iv) Monograph (v) Herbarium