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**Subject: Biology**

**Topic: The Living World**

**M.M. 200 COMPETITIVE TEST**  **Time: 30 Min.**

1. Energy is utilized by cells for

|  |  |  |  |
| --- | --- | --- | --- |
| a) Reproduction | b) Growth | c) Biochemical activities | d) All of these |

1. The basic unit of classification is

|  |  |  |  |
| --- | --- | --- | --- |
| a) Genus | b) Species | c) Order | d) All of these |

1. Herbarium is

|  |  |
| --- | --- |
| a) a garden where medical plants are grown | b) garden where herbaceous plants are grown |
| c) dry garden | d) chemical to kill plants |

1. Sequence of taxonomic categories is

a) Class – Phylum – Order – Family – Genus – Species

b) Division – Class – Family – Order – Genus – Species

c) Division – Class –Order – Family –Genus – Species

d) Phylum – Order – Class –Family – Genus – Species

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the assemblage of families which exhibit a few similar characters.

|  |  |  |  |
| --- | --- | --- | --- |
| a) Class | b) Genus | c) Species | d) Order |

1. ICBN stands for

|  |  |
| --- | --- |
| a) International Code of Botanical Nomenclature | b) International Congress of Biological Names |
| c) Indian Code of Botanical Nomenclature | d) Indian Congress of Biological Names |

1. A genus having many species is called as

|  |  |  |  |
| --- | --- | --- | --- |
| a) Polytypic | b) Monotypic | c) Polygamic | d) Both (a) & (b) |

1. The taxonomic unit ‘Phylum’ in the classification of animals is equivalent to which hierachial level in classification of plants

|  |  |  |  |
| --- | --- | --- | --- |
| a) Class | b) Order | c) Division | d) Family |

1. Which of the following statement(s) is /are correct?

|  |  |
| --- | --- |
| a) Only living organism grow | b) Plants grow upto a certain age |
| c) The growth in living organism is from inside | d) All of these |

1. Which one of the following is not a correct statement?

a) Botanical gardens have collection of living plants for reference

b) A museum has collection of photographs of plants and animals.

c) Key is taxonomic aid for identification of specimens.

d) Herbarium is a stored house that contains dried, pressed and preserved plant specimens.

1. Which of the following organism is not correctly matched with its particular?

|  |  |
| --- | --- |
| a) Human being – Sapiens , species | b) Lion – Panthera , genus |
| c) Cats – Felidae , genus | d) Datura – Solanaceae , Family |

1. Genus represent

a) An individual; plant or animal

b) A collection of plants & animals

c) A group of closely related species of plants and animals

d) None of the above

1. Growth , development and functioning of living body is

|  |  |  |  |
| --- | --- | --- | --- |
| a) Order | b) Homeostasis | c) Metabolism | d) Adaptation |

1. ICVCN is an abbreviated form of

a) International Code of Virus Nomenclature

b) International Code of Viruslence Nomenclature

c) International Code of Virus Classification and Nomenclature

d) International Code of Valuation in Nomenclature

1. The term taxon refers to

|  |  |
| --- | --- |
| a) Name of Species | b) Name of Genus |
| c) Name of Family | d) A taxonomic group of any rank |

1. The systematic arrangement of taxa is called

|  |  |  |  |
| --- | --- | --- | --- |
| a) Key | b) Taxonomy | c) Geneology | d) Hierarchy |

1. Binomial nomenclature means

a) One name is given by two scientists

b) One Scientific name consisting of a generic and specific epithet

c) Two name , one latinised , other of a person

d) Two names of same plant

1. *Rattus rattus* Scientific name is an example of

|  |  |  |  |
| --- | --- | --- | --- |
| a) Autonyms | b) Tautonyms | c) Synonyms | d) Hononyms |

1. The family ‘Felidae’ includes

|  |  |  |  |
| --- | --- | --- | --- |
| a) Cats | b) Tigers | c) Lions | d) All of these |

1. The growth and reproduction is mutually exclusive events in

|  |  |
| --- | --- |
| a) Plants only | b) Animals only |
| c) Higher plants and animals | d) Lower organisms |

1. The total sum of chemical reaction occurring in our body is

|  |  |  |  |
| --- | --- | --- | --- |
| a) Metabolism | b) Homeostasis | c) Irritability | d) Catabolism |

1. Who is known as father of taxonomy

|  |  |  |  |
| --- | --- | --- | --- |
| a) Huxley | b) Linnaeus | c) Geneology | d) None of these |

1. Systematics deals with:

|  |  |
| --- | --- |
| a) Classification | b) Nomenclature |
| c) Evolutionary relationship | d) Plant exploration |

1. The technical names of organism are given in the language

|  |  |  |  |
| --- | --- | --- | --- |
| a) English | b) Latin | c) French | d) Greek |

1. The smallest unit of classification is

|  |  |  |  |
| --- | --- | --- | --- |
| a) Family | b) Order | c) Genus | d) Species |

1. A division is formed by several combinations of

|  |  |  |  |
| --- | --- | --- | --- |
| a) Orders | b) Families | c) Classes | d) Tribes |

1. The standard size of herbarium sheet is

|  |  |  |  |
| --- | --- | --- | --- |
| a) 11.5” x 16.5” | b) 15.5” x 16.5” | c) 18.5” x 10.5” | d) 20.5” x 21.5” |

1. The famous botanical garden ‘Kew’ is located in

|  |  |  |  |
| --- | --- | --- | --- |
| a) England | b) Lucknow | c) Berlin | d) Australia |

1. The Indian botanical garden is located in

|  |  |  |  |
| --- | --- | --- | --- |
| a) Howrah | b) Lucknow | c) Mumbai | d) Mysore |

1. Which of the following taxonomic aid provides information for the identification of names of species found in an area?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Monograph | b) Manual | c) Flora | d) Periodical |

1. An important function of botanical garden is

|  |  |
| --- | --- |
| a) It provide beautiful area for recreation | b) One can observe tropical plants over there |
| c) They allow ex-situ conservation of germplasm | d) They provide natural habitat to wildlife |

1. Which of the following is a taxonomic aid for identification of plants and animals based on similarities and dissimilarities?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Flora | b) Keys | c) Monographs | d) Catalogues |

1. Considered following taxonomic hierarchy, identify A , B & C.

A Genus Family B Class Phylum C

|  |  |
| --- | --- |
| a) A – Strain ; B – Order ; C – Sub kingdom | b) A – Species ; B – Order ; C – kingdom |
| c) A – Subspecies ; B – Tribe ; C – Domain | d) A – Species ; B – Order ; C – Sub division |

1. Which of the following statements regarding universal rules of nomenclature is incorrect?

a) The first word in a biological name is represents the genus.

b) The first word denoting the genus starts with a capital letter.

c) Both the words in biological name, when handwritten, are separately underlined.

d) Biological names are generally Greek and written in italics.

1. Select the correctly written scientific name of Mango which was described by Carolus Linnaeus:

|  |  |
| --- | --- |
| a) *Mangifera indica* Car. Linn | b) *Mangifera indica* Linn |
| c) *Mangifera indica* | d) *Mangifera Indica* |

1. Nomenclature is governed by certain universal rules. Which one of the following is contrary to the rules of nomenclature?

a) Biological name can be written in any language.

b) The first word in a biological name represents the genus name, and the second is a specific epithet.

c) The names are written in Latin and are italicized.

d) When written by hand, the names to be underlined

1. Match column I with column II and choose the correct option

|  |  |  |
| --- | --- | --- |
| Column I | Column II | |
| A. Family | I. *tuberosum* | |
| B. Kingdom | II. Polymoniales | |
| C. Order | III. *Solanum* | |
| D. Species | IV. Plantae | |
| E. Genus | V. Solanaceae | |
| a) A – IV ; B – III ; C – V ; D – II ; E – I | | | b) A – V ; B – IV ; C – II ; D – I ; E – III | |
| c) A – IV ; B – V ; C – II ; D – I ; E – III | | | d) A – V ; B – III ; C – II ; D – I ; E – IV | |

1. Which of the following ‘suffixes’ used for units of classification in plants indicates a taxonomic category of family.

|  |  |  |  |
| --- | --- | --- | --- |
| a) – Ales | b) – Onae | c) – Aceae | d) – Ae |

1. Which of the following is the defining property of living organism?

|  |  |
| --- | --- |
| a) Growth | b) Ability to make sound |
| c) Reproduction | d) Response to external stimuli |

1. Build up reactions of the body are

|  |  |  |  |
| --- | --- | --- | --- |
| a) Metabolism | b) Catabolism | c) Anabolism | d) Growth reaction |

1. The first step in classification of organism is

|  |  |
| --- | --- |
| a) Identification | b) Description |
| c) Sorting out distinguishing traits | d) Use of keys |

1. The term species was introduced by

|  |  |  |  |
| --- | --- | --- | --- |
| a) John ray | b) Linnaeus | c) Theophrastus | d) Pliny |

1. The size of herbarium sheet is

|  |  |  |  |
| --- | --- | --- | --- |
| a) 26 x 30 cm | b) 25 x 35 cm | c) 30 x 35 cm | d) 30 x 40 cm |

1. Label bearing information about the collected plants and the collector is pasted over herbarium sheet at

|  |  |  |  |
| --- | --- | --- | --- |
| a) Top right | b) Top left | c) Lower right | d) Lower left |

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

|  |  |
| --- | --- |
| a) Herbarium | b) Museum |
| c) National History Society | d) Plant preservation laboratory |

1. Taxon is unit of

|  |  |  |  |
| --- | --- | --- | --- |
| a) Species | b) Genus | c) Order | d) Taxonomy |

1. Who gave nomenclature according to which humans are called *Homo sapiens*.

|  |  |  |  |
| --- | --- | --- | --- |
| a) Darwin | b) Mendel | c) Aristotle | d) Linnaeus |

1. The label of herbarium sheet does not carry information on

|  |  |  |  |
| --- | --- | --- | --- |
| a) Height of plant | b) Date of collection | c) Name of collector | d) Local name |

1. Which of the following is the correct scientific name of wheat

|  |  |  |  |
| --- | --- | --- | --- |
| a) *Triticum vulgare* | b) *Triticum aestivum* | c) *Oryza* sativa | d) Zea mays |

1. Which one of the following belongs to family Muscidae?

|  |  |  |  |
| --- | --- | --- | --- |
| a) House fly | b) fire fly | c) Grass hopper | d) Cockroach |

**Answers**

**Topic: The Living World [Class =11th]**

|  |
| --- |
| 1. d |
| 1. b |
| 1. c |
| 1. c |
| 1. d |
| 1. a |
| 1. a |
| 1. c |
| 1. c |
| 1. b |
| 1. c |
| 1. c |
| 1. c |
| 1. c |
| 1. d |
| 1. d |
| 1. b |
| 1. b |
| 1. d |
| 1. c |
| 1. a |
| 1. b |
| 1. c |
| 1. b |
| 1. d |

|  |
| --- |
| 1. c |
| 1. a |
| 1. a |
| 1. a |
| 1. b |
| 1. c |
| 1. b |
| 1. b |
| 1. d |
| 1. b |
| 1. a |
| 1. b |
| 1. c |
| 1. d |
| 1. c |
| 1. a |
| 1. a |
| 1. c |
| 1. c |
| 1. a |
| 1. d |
| 1. d |
| 1. a |
| 1. b |
| 1. a |