

Topic :- The Living World

- 1 **(d)**
The general characteristic of life are growth, reproduction, consciousness, body organization metabolism, adaptation and death
- 2 **(c)**
Binomial nomenclature provide a distinct and proper scientific name to organism, each consisting of two words, first generic name and second specific name, which are derived from Latin language. Scientific names are printed in italics and hand written name is underlined (zig zag)
- 3 **(c)**
Panthera leo is scientific name of lion. *Cannis* is genus (cat), *Pisum* is also generic name of sweet pea, Carnivora is order
- 4 **(b)**
New systematics or biosystematics is concept of systematics which brings out taxonomic affinities on the basis of evolutionary, genetic and morphological traits. New systematics brings out cladistics or phylogenetic classification
- 5 **(c)**
Largest herbarium in the world is herbarium of Royal Botanical Garden, Kew (London) which contains more than 6,00,000 specimens
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ICNB stands for International Code of Bacteriological Nomenclature
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ICVCN is the abbreviation of international Code of Viral Classification and Nomenclature. ICNCP stands for International Code of Nomenclature for Cultivated Plants
- 10 **(c)**
Taxon is used represent any rank in taxonomic hierarchy.
Royal Botanical Garden is located at (Kew) London in England.
There are about 492 (approximately 504) wildlife sanctuaries and 89 national park in India. Rest three statement are true
- 11 **(a)**
Experimental taxonomy is based on determination of genetic relationship, while cytotaxonomy is

- based on cytological study of chromosomes, *i.e.*, behavior, number and morphology of chromosomes
- 12 **(b)**
Botanical garden allows *ex situ* conservation of gerplasm.
- 13 **(a)**
In unicellular organisms like bacteria, algae (unicellular) and *Amoeba* reproduction is increase in number of cells. *i.e.*, synonymous with growth
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- 15 **(b)**
There are 14 reserve biosphere in India. Simlipal Biosphere reserve is located in Odisha
- 16 **(b)**
Systema Naturae was a work of Carolus Linnaeus. He describe about 4330 species of animal in this, while around 6000 species of plant had been described in *Species Plantarum*
- 17 **(c)**
A natural taxon means a group of similar, genetically, related organisms having certain distinct characters from other groups. A genus with single species is called monotypic genus
- 18 **(d)**
The arrangement of taxonomic categories is known as taxonomical hierarchy order either it is descending or ascending
- 19 **(b)**
Binomial system of classification was based on morphological characteristic of an organism
- 20 **(d)**
Umbelliferae of Apiaceae (carrot family) shows cup-shaped thalamus structure. Bentham and Hooker in his classification placed it under series-Calyciflorae.

| ANSWER-KEY | | | | | | | | | | |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Q. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| A. | D | C | C | B | C | D | C | C | C | C |
| | | | | | | | | | | |
| Q. | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| A. | A | B | A | A | B | B | C | D | B | D |
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