

Chapter 1: The Living World — NEET Previous Year Questions

Q1. Which of the following is a defining characteristic of living organisms?

(NEET 2022)

- A. Growth
- B. Reproduction
- C. Metabolism
- D. Consciousness

☐ **Answer:** C. Metabolism

Explanation: All living organisms show metabolism — the sum of all chemical reactions occurring in the body. It's considered the most defining feature of life.

Q2. Which of the following organisms reproduce but are not considered truly living?

(NEET 2020)

- A. Fungi
- B. Virus
- C. Bacteria
- D. Mycoplasma

☐ **Answer:** B. Virus

Explanation: Viruses can reproduce only inside host cells and lack metabolism outside. Hence, they're considered living only when inside a host.

Q3. Taxonomic hierarchy includes: Kingdom → Phylum → Class → Order → _____ → Genus → Species.

(NEET 2019)

- A. Family
- B. Division
- C. Group
- D. Tribe

☐ **Answer:** A. Family

Explanation: The correct sequence in taxonomic hierarchy is:

Kingdom > Phylum > Class > Order > Family > Genus > Species

Q4. Binomial nomenclature was given by:

(NEET 2017)

- A. John Ray

- B. Charles Darwin
- C. Carl Linnaeus
- D. Aristotle

☐ **Answer:** C. Carl Linnaeus

Explanation: Carl Linnaeus introduced the binomial nomenclature system — Genus + Species.

Q5. A taxon is:

(NEET 2016)

- A. A category of classification
- B. A group of related families
- C. A group of related species
- D. A taxonomic group of any rank

☐ **Answer:** D. A taxonomic group of any rank

Explanation: Taxon refers to any level in the hierarchical classification — species, genus, family, etc.

Q6. The scientific name of mango is *Mangifera indica* (Linn). What does “Linn” signify?

(NEET 2015)

- A. Latin name of mango
- B. Kingdom of mango
- C. Scientist who named it
- D. Vernacular name

☐ **Answer:** C. Scientist who named it

Explanation: “Linn” stands for Linnaeus, the scientist who described and named the species.

Q7. Growth and reproduction are mutually exclusive in:

(NEET 2014)

- A. Fungi
- B. Animals
- C. Plants
- D. Unicellular organisms

☐ **Answer:** D. Unicellular organisms

Explanation: In unicellular organisms like bacteria, growth (increase in number) occurs through reproduction.

Q8. Which is not a correct pair?

(NEET 2013)

- A. Genus – Homo
- B. Family – Hominidae
- C. Order – Primata
- D. Class – Mammalia
- E. Phylum – Chordata
- F. Kingdom – Protista

☐ **Answer:** F. Kingdom – Protista (not related to *Homo sapiens*)

Explanation: Human classification does not include Protista.

Q9. What is the primary basis of modern taxonomy?

(NEET 2012)

- A. Anatomy
- B. Morphology
- C. Phylogeny
- D. Physiology

☐ **Answer:** C. Phylogeny

Explanation: Modern taxonomy is based on evolutionary relationships (phylogeny).

Q10. Which among the following shows all the major characteristics of living organisms?

- A. A robot
- B. A virus
- C. A human
- D. Fire

☐ **Answer:** C. A human

Explanation: Humans show all living characteristics — metabolism, reproduction, consciousness, etc.

Q11. The term "systematics" was coined by:

(NEET 2011)

- A. Linnaeus
- B. Theophrastus
- C. Mayr
- D. John Ray

☐ **Answer:** A. Linnaeus

Explanation: Linnaeus used the term "systema naturae", from which the word systematics is derived.

Q12. The basic unit of classification is:

(NEET 2010)

- A. Order
- B. Family
- C. Genus
- D. Species

☐ **Answer:** D. Species

Explanation: Species is the lowest category in the taxonomic hierarchy and the basic unit of classification.

Q13. Which one of the following is correctly matched with its taxonomic category?

(NEET 2010)

- A. Wheat – Triticale – Genus
- B. Potato – Solanum – Family
- C. Panthera – Tigris – Species
- D. Hibiscus – Rosa – Order

☐ **Answer:** C. Panthera – Tigris – Species

Explanation: Panthera is genus, tigris is species → *Panthera tigris*.

Q14. Which of the following shows the correct sequence of taxonomic hierarchy?

(NEET 2009)

- A. Class → Order → Family → Genus
- B. Order → Class → Family → Genus
- C. Genus → Family → Order → Class
- D. Class → Family → Order → Genus

☐ **Answer:** A. Class → Order → Family → Genus

Explanation: Correct hierarchy from higher to lower taxa.

Q15. In botanical nomenclature, the name of the author is written:

(NEET 2008)

- A. In italics

- B. In capital letters
- C. After the scientific name in abbreviated form
- D. Before the scientific name

☐ **Answer:** C. After the scientific name in abbreviated form

Explanation: Example: *Mangifera indica* Linn.

Q16. Reproduction is not a defining feature of life because:

(NEET 2007)

- A. Many living things cannot reproduce
- B. Viruses reproduce only in host
- C. All living things grow
- D. Non-living things cannot reproduce

☐ **Answer:** A. Many living things cannot reproduce

Explanation: Worker bees, sterile humans, mules do not reproduce but are alive.

Q17. Which of the following is written correctly according to ICBN rules?

(NEET 2006)

- A. Mangifera Indica
- B. Mangifera indica
- C. Mangifera Indica Linn
- D. mangifera indica

☐ **Answer:** B. *Mangifera indica*

Explanation: Genus capitalized, species lowercase, italicized or underlined.

Q18. Organisms with similar traits grouped together form:

(NEET 2005)

- A. Class
- B. Order
- C. Family
- D. Species

☐ **Answer:** D. Species

Explanation: A group of organisms that can interbreed and produce fertile offspring.

Q19. Identification and classification of plants is studied under:

(NEET 2003)

- A. Morphology
- B. Anatomy
- C. Taxonomy
- D. Cytology

☐ **Answer:** C. Taxonomy

Explanation: Taxonomy includes classification, identification, and nomenclature.

Q20. Which of the following is not used in modern taxonomy? (NEET 2012)

- A. Morphology
- B. Anatomy
- C. Physiology
- D. Astrology

☐ **Answer:** D. Astrology

Explanation: Astrology is not a scientific field and has no role in classification or biological taxonomy. Modern taxonomy uses morphology, anatomy, physiology, genetics, and evolutionary relationships.

Q21. Which of the following is not a taxonomic aid?

(NEET 2002)

- A. Herbarium
- B. Flora
- C. Botanical garden
- D. Morphology

☐ **Answer:** D. Morphology

☐ **Explanation:** Morphology refers to the study of form and structure; it's a biological concept, not a physical aid like herbarium or flora.

Q22. Which of the following is a taxonomic aid for identification of plants?

(NEET 2001)

- A. Flora
- B. Manual
- C. Monograph
- D. All of these

☐ **Answer:** D. All of these

☐ **Explanation:** All provide valuable information for identifying and classifying plant species.

Q23. ICBN stands for:

(NEET 2000)

- A. International Code for Botanical Nomenclature
- B. Indian Code for Botanical Nomenclature
- C. International Congress of Botanical Nomenclature
- D. International Code of Biological Naming

- ☐ **Answer:** A. International Code for Botanical Nomenclature
 - ☐ *Explanation:* It governs the naming of plants internationally.
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Q24. Scientific name of human being is:

(NEET 2006)

- A. Homo Sapiens
- B. Homo sapiens
- C. Homo sapiens sapiens
- D. Homo Sapiens Sapiens

- ☐ **Answer:** B. Homo sapiens
 - ☐ *Explanation:* Correct format: Genus (capitalized) + species (lowercase), italicized or underlined.
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Q25. Who is the father of taxonomy?

(NEET 2002)

- A. John Ray
- B. Linnaeus
- C. Aristotle
- D. Darwin

- ☐ **Answer:** B. Linnaeus
 - ☐ *Explanation:* Carl Linnaeus introduced binomial nomenclature and hierarchical classification.
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Q26. Which among the following is a taxonomic category?

(NEET 2004)

- A. Rosaceae
- B. Mammalia

- C. Insecta
- D. All of these

☐ **Answer:** D. All of these

☐ *Explanation:* All are ranks in the hierarchy — Family (Rosaceae), Class (Mammalia), and Class (Insecta).

Q27. Which taxonomic category contains organisms least similar to one another?

(NEET 2008)

- A. Species
- B. Genus
- C. Order
- D. Class

☐ **Answer:** D. Class

☐ *Explanation:* Class is higher up in the hierarchy, encompassing a wider variety of organisms.

Q28. Which of the following categories will have the largest number of organisms?

(NEET 2003)

- A. Genus
- B. Species
- C. Order
- D. Kingdom

☐ **Answer:** D. Kingdom

☐ *Explanation:* Kingdom is the highest taxonomic rank, so it includes the most organisms.

Q29. Manuals are useful in providing information for:

(NEET 2005)

- A. Naming of species
- B. Training in taxonomy
- C. Identifying species found in an area
- D. Cultivating plants

☐ **Answer:** C. Identifying species found in an area

☐ *Explanation:* Manuals list identifying features of species in a region.

Q30. A monograph contains information on:

(NEET 2004)

- A. One genus
- B. One class
- C. One family
- D. One taxon

☐ **Answer:** D. One taxon

☐ **Explanation:** A monograph describes all known data about one specific taxon.

Q31. Which of the following is the correct order of taxonomic categories?

(NEET 2003)

- A. Genus → Family → Order → Class
- B. Class → Order → Family → Genus
- C. Order → Class → Family → Genus
- D. Family → Order → Class → Genus

☐ **Answer:** B. Class → Order → Family → Genus

☐ **Explanation:** This is the proper descending sequence from higher to lower taxa.

Q32. In printed scientific names, the names are:

(NEET 2001)

- A. Italicized
- B. Underlined
- C. Bold
- D. Capitalized

☐ **Answer:** A. Italicized

☐ **Explanation:** Scientific names are italicized in print and underlined in handwriting.

Q33. According to binomial nomenclature, the name should be:

(NEET 2005)

- A. In Latin
- B. Underlined
- C. Italicized
- D. All of these

☐ **Answer:** D. All of these

☐ *Explanation:* Scientific names must be in Latin, italicized (or underlined), and follow naming conventions.

Q34. The naming system with two parts (Genus + Species) is called:

(NEET 2001)

A. Polynomials

B. Trinomials

C. Binomial

D. Monomial

☐ **Answer:** C. Binomial

☐ *Explanation:* Binomial nomenclature uses two Latinized names to uniquely identify a species.

Q35. Which of the following includes the maximum number of organisms?

(NEET 2009)

A. Order

B. Species

C. Genus

D. Class

☐ **Answer:** D. Class

☐ *Explanation:* A Class includes many orders and thus more organisms.

Q36. A herbarium is a storehouse of:

(NEET 2005)

A. Dried plant specimens

B. Preserved animals

C. Seeds

D. Live plants

☐ **Answer:** A. Dried plant specimens

☐ *Explanation:* Herbariums preserve plant specimens for study and classification.

Q37. Botanical gardens are primarily used for:

(NEET 2007)

- A. Preserving fossils
- B. Growing commercial crops
- C. Studying plant diversity
- D. Creating herbal medicines

☐ **Answer:** C. Studying plant diversity

☐ *Explanation:* Botanical gardens serve to conserve and study plants.

Q38. Which of the following is not a taxonomic category?

(NEET 2003)

- A. Phylum
- B. Kingdom
- C. Division
- D. Variety

☐ **Answer:** D. Variety

☐ *Explanation:* Variety is not part of the formal Linnaean taxonomic hierarchy.

Q39. Which one is correctly matched?

(NEET 2008)

- A. Genus – Felis
- B. Order – Carnivora
- C. Family – Felidae
- D. All of these

☐ **Answer:** D. All of these

☐ *Explanation:* All taxonomic levels correctly match the domestic cat's classification.

Q40. Flora provides information about:

(NEET 2002)

- A. Fauna of region
- B. Plant species in a region
- C. Soil composition
- D. Animal behavior

☐ **Answer:** B. Plant species in a region

☐ *Explanation:* Flora documents plant biodiversity specific to a geographic area.

Q41. Which is the correct way of writing a scientific name according to ICBN?

(NEET 2006)

- A. *Mangifera indica*
- B. *Mangifera Indica*
- C. *mangifera indica*
- D. *Mangifera Indica* Linn

☐ **Answer:** A. *Mangifera indica*

☐ **Explanation:** Genus capitalized, species lowercase. Both italicized or underlined.

Q42. In binomial nomenclature, the first word represents:

(NEET 2003)

- A. Family
- B. Order
- C. Genus
- D. Species

☐ **Answer:** C. Genus

☐ **Explanation:** The first part of a binomial name is the genus name.

Q43. In *Homo sapiens*, 'sapiens' refers to:

(NEET 2002)

- A. Genus
- B. Family
- C. Species
- D. Subspecies

☐ **Answer:** C. Species

☐ **Explanation:** The second part of a binomial name denotes the species.

Q44. The language used for writing scientific names is:

(NEET 2001)

- A. Greek
- B. Latin
- C. Sanskrit
- D. German

☐ **Answer:** B. Latin

☐ *Explanation:* Latin is a standard dead language and used universally in taxonomy.

Q45. A taxonomic key helps in:

(NEET 2005)

- A. Preservation of species
- B. Identification of species
- C. Naming of species
- D. Collection of species

☐ **Answer:** B. Identification of species

☐ *Explanation:* A dichotomous key helps identify organisms based on traits.

Q46. A monograph contains information about:

(NEET 2004)

- A. One family
- B. One genus
- C. One taxon
- D. Many taxa

☐ **Answer:** C. One taxon

☐ *Explanation:* A monograph is a detailed document describing a single taxon.

Q47. A flora is a document describing:

(NEET 2002)

- A. Animal species
- B. Plant species
- C. Bird species
- D. Microorganisms

☐ **Answer:** B. Plant species

☐ *Explanation:* Flora describes all the plant species of a region.

Q48. A herbarium label does NOT contain:

(NEET 2006)

- A. Scientific name
- B. Local name

- C. Collector's name
- D. Anatomical details

☐ **Answer:** D. Anatomical details

☐ *Explanation:* Labels contain name, collection site, date, etc., not microscopic data.

Q49. Botanical gardens are used for:

(NEET 2001)

- A. Growing medicinal plants
- B. Growing crops
- C. Growing and maintaining plant diversity
- D. Genetic experiments

☐ **Answer:** C. Growing and maintaining plant diversity

☐ *Explanation:* Botanical gardens maintain living collections of plant species.

Q50. The term 'taxonomy' was coined by:

(NEET 2000)

- A. Linnaeus
- B. Aristotle
- C. A.P. de Candolle
- D. John Ray

☐ **Answer:** C. A.P. de Candolle

☐ *Explanation:* He coined the term "taxonomy" to describe the science of classification.

Q51. Which taxonomic rank includes the most number of organisms?

(NEET 2009)

- A. Genus
- B. Class
- C. Species
- D. Family

☐ **Answer:** B. Class

☐ *Explanation:* Class contains multiple orders and many more species.

Q52. In binomial nomenclature, author citation indicates:

(NEET 2005)

- A. Discoverer of the species
- B. Class of organism
- C. Location of discovery
- D. Morphological character

- ☐ **Answer:** A. Discoverer of the species
 - ☐ *Explanation:* Author's name is cited after the scientific name.
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Q53. Species are grouped together into:

(NEET 2003)

- A. Class
- B. Genus
- C. Order
- D. Family

- ☐ **Answer:** B. Genus
 - ☐ *Explanation:* Similar species form a genus.
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Q54. Which material is used in herbaria for mounting plants?

(NEET 2007)

- A. Plastic sheets
- B. Blotting paper
- C. Cardboard
- D. Herbarium sheets

- ☐ **Answer:** D. Herbarium sheets
 - ☐ *Explanation:* Dried plants are mounted on herbarium sheets.
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Q55. Which is not a standard taxonomic category?

(NEET 2008)

- A. Order
- B. Genus
- C. Division
- D. Variety

- ☐ **Answer:** D. Variety
- ☐ *Explanation:* Variety is not a principal rank in taxonomy.

Q56. Which pair is correctly matched?

(NEET 2004)

- A. *Solanum* – Genus
- B. *indica* – Genus
- C. *Mangifera* – Species
- D. *Homo* – Family

- ☐ **Answer:** A. *Solanum* – Genus
 - ☐ **Explanation:** *Solanum* is a genus including tomato, potato, etc.
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Q57. Which taxonomic level has the fewest organisms?

(NEET 2004)

- A. Genus
- B. Family
- C. Species
- D. Order

- ☐ **Answer:** C. Species
 - ☐ **Explanation:** Species is the most specific category in taxonomy.
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Q58. Taxonomic studies include:

(NEET 2003)

- A. Morphology
- B. Anatomy
- C. Phylogeny
- D. All of these

- ☐ **Answer:** D. All of these
 - ☐ **Explanation:** Modern taxonomy uses structural, evolutionary, and molecular data.
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Q59. Which is a correct binomial name?

(NEET 2002)

- A. *Homo*
- B. *sapiens*
- C. *Homo sapiens*
- D. *sapiens Homo*

- ☐ **Answer:** *C. Homo sapiens*
 - ☐ **Explanation:** Genus + species is the correct binomial format.
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Q60. All plants and animals are classified based on:

(NEET 2001)

- A. Ecological system
- B. Morphological system
- C. Taxonomic system
- D. Genetic similarity

- ☐ **Answer:** C. Taxonomic system
 - ☐ **Explanation:** The taxonomic system is a structured classification system.
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Q61. Which is the primary purpose of botanical gardens?

(NEET 2010)

- A. Genetic engineering
- B. Study and conservation of plant diversity
- C. Forestry
- D. Crop production

- ☐ **Answer:** B. Study and conservation of plant diversity
 - ☐ **Explanation:** Botanical gardens maintain living collections for research and education in plant taxonomy and conservation.
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Q62. Which of the following taxonomic aids is used to identify organisms based on contrasting characteristics?

(NEET 2012)

- A. Manual
- B. Flora
- C. Key
- D. Monograph

- ☐ **Answer:** C. Key
 - ☐ **Explanation:** A dichotomous key uses contrasting features in a step-wise manner to identify organisms.
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Q63. Which taxonomic category is immediately higher than genus?

(NEET 2011)

- A. Order
- B. Class
- C. Family
- D. Species

☐ **Answer:** C. Family

☐ **Explanation:** Taxonomic hierarchy: Family → Genus → Species.

Q64. Which of the following correctly represents a scientific name?

(NEET 2015)

- A. *homo Sapiens*
- B. *Homo Sapiens*
- C. *Homo sapiens*
- D. *Homo sapiens sapiens*

☐ **Answer:** C. *Homo sapiens*

☐ **Explanation:** Genus is capitalized, species lowercase, and both are italicized (or underlined if handwritten).

Q65. Which one of the following is not a characteristic of a taxon?

(NEET 2014)

- A. It is a rank
- B. It represents a group
- C. It is used in nomenclature
- D. It refers to a single organism

☐ **Answer:** D. It refers to a single organism

☐ **Explanation:** A taxon is a group or category, not an individual.

Q66. Assertion (A): Reproduction is not a defining feature of all living organisms.

Reason (R): Many living organisms do not reproduce.

(NEET 2019)

- A. Both A and R are true, and R is the correct explanation of A
- B. Both A and R are true, but R is not the correct explanation of A
- C. A is true, R is false
- D. A is false, R is true

- ☐ **Answer:** A. Both A and R are true, and R is the correct explanation of A
 - ☐ *Explanation:* Examples like mules, worker bees show life but do not reproduce.
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Q67. Which among the following is smallest in taxonomic hierarchy?

(NEET 2010)

- A. Class
- B. Species
- C. Genus
- D. Family

- ☐ **Answer:** B. Species
 - ☐ *Explanation:* Species is the lowest and most specific taxonomic rank.
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Q68. Binomial nomenclature means:

(NEET 2013)

- A. Two names, one scientific and one local
- B. One name given by two scientists
- C. One scientific name with two components
- D. One local name and one Latin name

- ☐ **Answer:** C. One scientific name with two components
 - ☐ *Explanation:* Binomial = Genus + species, introduced by Linnaeus.
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Q69. Manuals are useful in providing information for:

(NEET 2011)

- A. Training taxonomy
- B. Identifying names of species in a region
- C. Conducting experiments
- D. Collecting specimens

- ☐ **Answer:** B. Identifying names of species in a region
 - ☐ *Explanation:* Manuals help identify regional species using keys and traits.
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Q70. A group of similar organisms that can interbreed and produce fertile offspring is called:

(NEET 2013)

- A. Family

- B. Genus
- C. Species
- D. Population

☐ **Answer:** C. Species

☐ *Explanation:* Species is the basic unit, defined by interbreeding ability.

Q71. The system of classification used today was proposed by:

(NEET 2004)

- A. Linnaeus
- B. Aristotle
- C. Darwin
- D. Whittaker

☐ **Answer:** A. Linnaeus

☐ *Explanation:* Linnaeus created the hierarchical system of classification.

Q72. A family is a group of:

(NEET 2008)

- A. Related species
- B. Related genera
- C. Related orders
- D. Related classes

☐ **Answer:** B. Related genera

☐ *Explanation:* Family includes closely related genera.

Q73. Choose the odd one out from taxonomic aids:

(NEET 2015)

- A. Key
- B. Flora
- C. Manual
- D. Anatomy

☐ **Answer:** D. Anatomy

☐ *Explanation:* Anatomy is a biological concept, not a taxonomic aid.

Q74. ICZN is applicable to the nomenclature of:

(NEET 2014)

- A. Plants
- B. Animals
- C. Viruses
- D. Bacteria

☐ **Answer:** B. Animals

☐ *Explanation:* ICZN = International Code of Zoological Nomenclature.

Q75. Identify the incorrect statement about binomial nomenclature:

(NEET 2016)

- A. It was introduced by Linnaeus
- B. Genus name is written after species name
- C. It is in Latin
- D. Genus starts with capital letter

☐ **Answer:** B. Genus name is written after species name

☐ *Explanation:* Correct order is Genus followed by species.

Q76. Which one is not part of a botanical herbarium label?

(NEET 2012)

- A. Scientific name
- B. Date of collection
- C. Location
- D. Chromosome number

☐ **Answer:** D. Chromosome number

☐ *Explanation:* Labels typically include species name, date, place, collector.

Q77. Assertion (A): Growth is a defining property of living beings.

Reason (R): All living organisms grow by cell division.

(NEET 2020)

- A. Both A and R are true, and R is the correct explanation of A
- B. Both A and R are true, but R is not the correct explanation of A
- C. A is true, R is false
- D. A is false, R is true

- ☐ **Answer:** A. Both A and R are true, and R is the correct explanation of A
 - ☐ *Explanation:* Growth through cell division is common to all living beings.
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Q78. Flora provides information about:

(NEET 2011)

- A. Fauna of region
- B. Plant species of a region
- C. Soil of region
- D. Animal behavior

- ☐ **Answer:** B. Plant species of a region
 - ☐ *Explanation:* Flora catalogs regional plant diversity and features.
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Q79. Who proposed the term “New Systematics”?

(NEET 2005)

- A. Darwin
- B. Mayr
- C. Linnaeus
- D. Huxley

- ☐ **Answer:** D. Huxley
 - ☐ *Explanation:* Julian Huxley proposed “New Systematics” incorporating evolution.
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Q80. Which of the following is the smallest taxonomic unit?

(NEET 2016)

- A. Order
- B. Family
- C. Genus
- D. Species

- ☐ **Answer:** D. Species
 - ☐ *Explanation:* Species is the most specific and smallest taxonomic level.
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Q81. Taxonomic studies are helpful in:

(NEET 2021)

- A. Knowing variations among organisms
- B. Classification of organisms

- C. Understanding evolutionary relationships
- D. All of these

☐ **Answer:** D. All of these

☐ *Explanation:* Taxonomy involves naming, classifying, and studying evolutionary connections.

Q82. Which one of the following is not a correct match?

(NEET 2020)

- A. Herbarium – Dried plant specimens
- B. Flora – Local animal species
- C. Monograph – Information on one taxon
- D. Key – Identification of species

☐ **Answer:** B. Flora – Local animal species

☐ *Explanation:* Flora is a record of **plants**, not animals (animals → fauna).

Q83. In taxonomy, what does 'species' represent?

(NEET 2018)

- A. A basic unit of classification
- B. Group of similar genera
- C. Group of similar families
- D. Rank above genus

☐ **Answer:** A. A basic unit of classification

☐ *Explanation:* Species is the fundamental and smallest unit in taxonomy.

Q84. Which of the following is a taxonomic aid?

(NEET 2017)

- A. Atlas
- B. Gazette
- C. Manual
- D. Dictionary

☐ **Answer:** C. Manual

☐ *Explanation:* Manuals help in identifying organisms, usually in a region.

Q85. Which is the correct ascending order of taxonomic categories?

(NEET 2019)

- A. Genus < Species < Class
- B. Species < Genus < Family
- C. Family < Order < Class
- D. Genus < Family < Order

☐ **Answer:** B. Species < Genus < Family

☐ **Explanation:** The hierarchy increases from species → genus → family → order.

Q86. A monograph provides information about:

(NEET 2016)

- A. A single genus
- B. A single taxon
- C. Many families
- D. Many species

☐ **Answer:** B. A single taxon

☐ **Explanation:** A monograph describes all known details about a single taxon.

Q87. The term “taxon” is used for:

(NEET 2020)

- A. Species only
- B. Genus only
- C. Any taxonomic category
- D. Kingdom only

☐ **Answer:** C. Any taxonomic category

☐ **Explanation:** Taxon is a general term for any rank like genus, family, order, etc.

Q88. Which of the following is incorrectly matched?

(NEET 2015)

- A. *Panthera leo* – Genus name is Panthera
- B. *Mangifera indica* – Species name is Mangifera
- C. *Homo sapiens* – Genus is Homo
- D. *Solanum tuberosum* – Species name is *tuberosum*

☐ **Answer:** B. *Mangifera indica* – Species name is Mangifera ☐

☐ **Explanation:** *Mangifera* is **genus**; *indica* is **species** name.

Q89. Zoological parks serve the purpose of:

(NEET 2011)

- A. In-situ conservation
- B. Ex-situ conservation
- C. Taxonomic hierarchy
- D. Ethnobotanical study

☐ **Answer:** B. Ex-situ conservation

☐ **Explanation:** Organisms are conserved outside their natural habitat in zoos.

Q90. Which one is correct regarding nomenclature?

(NEET 2014)

- A. Genus and species names are written in italics
- B. Genus is capitalized, species lowercase
- C. Written in Latin
- D. All of these

☐ **Answer:** D. All of these

☐ **Explanation:** These are standard rules from ICBN/ICZN.

Q91. In printed form, scientific names are:

(NEET 2013)

- A. Bold
- B. Underlined
- C. Italicized
- D. Uppercase

☐ **Answer:** C. Italicized

☐ **Explanation:** Handwritten names are underlined; printed names are italicized.

Q92. Choose the correct example of a species name:

(NEET 2012)

- A. *Solanum*
- B. *sapiens*
- C. *Solanum tuberosum*
- D. *tuberosum*

- ☐ **Answer:** *C. Solanum tuberosum*
 - ☐ **Explanation:** Species name includes both genus and species parts.
-

Q93. Which of the following is a pair of contrasting characters?

(NEET 2016)

- A. Flora and fauna
- B. Taxon and species
- C. Key and couplet
- D. Couplet

- ☐ **Answer:** D. Couplet
 - ☐ **Explanation:** A couplet contains two opposite statements in a taxonomic key.
-

Q94. Which one is not a function of taxonomic key?

(NEET 2017)

- A. Helps in identification
- B. Describes all characters
- C. Based on contrasting features
- D. Stepwise elimination

- ☐ **Answer:** B. Describes all characters
 - ☐ **Explanation:** Keys only focus on key distinguishing traits.
-

Q95. In herbarium sheets, plants are preserved in:

(NEET 2010)

- A. Liquid form
- B. Living state
- C. Dried form
- D. Frozen state

- ☐ **Answer:** C. Dried form
 - ☐ **Explanation:** Specimens are dried, pressed, and glued to herbarium sheets.
-

Q96. All of the following are features of living organisms EXCEPT:

(NEET 2018)

- A. Reproduction
- B. Metabolism

- C. Growth
- D. Crystallization

☐ **Answer:** D. Crystallization

☐ *Explanation:* Crystallization is a physical process found in non-living matter.

Q97. Who among the following coined the term “species”?

(NEET 2003)

- A. Linnaeus
- B. Mayr
- C. John Ray
- D. Aristotle

☐ **Answer:** C. John Ray

☐ *Explanation:* John Ray was the first to define and use the term “species.”

Q98. Growth in living organisms is from:

(NEET 2019)

- A. Outside only
- B. Inside only
- C. Both inside and outside
- D. Accretion of material on surface

☐ **Answer:** B. Inside only

☐ *Explanation:* Growth in living organisms is intrinsic, through cell division.

Q99. Which feature distinguishes living from non-living?

(NEET 2017)

- A. Movement
- B. Reproduction
- C. Consciousness
- D. Growth

☐ **Answer:** C. Consciousness

☐ *Explanation:* Only living beings are aware of surroundings and respond.

Q100. Taxonomic hierarchy refers to:

(NEET 2020)

- A. Stepwise grouping from higher to lower categories
- B. Alphabetical naming
- C. DNA similarity
- D. Habitat-wise classification

☐ **Answer:** A. Stepwise grouping from higher to lower categories

☐ *Explanation:* Hierarchy = Kingdom > Phylum > Class > Order > Family > Genus > Species.