



BIOLOGY

NCERT - FULL MARKS BIOLOGY(TAMIL)

THE LIVING WORLD

Questions

1. Why are living organisms classified?



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2. Why are the classification systems changing every now and then?



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3. What different criteria would you choose to classify people that you meet often?



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4. What do we learn from identification of individuals and populations?



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5. Given below is the scientific name of Mango.

Identify the correctly written name.

Mangifera Indica

nelumbo nucifera



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6. Define a taxon. Give some examples of taxa at different hierarchical levels.



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7. Can you identify the correct sequence of taxonomical categories?

(a) Species → Order → Phylum → Kingdom

(b) Genus → Species → Order → Kingdom

(c) Species → Genus → Order → Phylum



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8. Try to collect all the currently accepted meanings for the word 'species'. Discuss with your teacher the meaning of species in case of higher plants and animals on one hand and bacteria on the other hand.



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9. Define and understand the following terms:

(i) Phylum (ii) Class (iii) Family (iv) Order (v)

Genus



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10. How is a key helpful in the identification and classification of an organism?



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11. Illustrate the taxonomical hierarchy with suitable examples of a plant and an animal.



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Evaluation

1. A group of organisms having similar traits of a rank is

A. Species

B. Taxon

C. Genus

D. Family

Answer:



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2. Every unit of classification regardless of its rank is

A. Taxon

B. Variety

C. Species

D. Strain

Answer:



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3. Which of the following is not present in same rank?

A. Primata

B. Orthoptera

C. Diptera

D. Insecta

Answer:



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4. What taxonomic aid gives comprehensive information about a taxon?

A. Taxonomic Key

B. Herbarium

C. Flora

D. Monograph

Answer:



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5. Who coined the term Bio-diversity?

A. Walter Rosen

B. AG Tansley

C. Aristotle

D. AP de Candolle

Answer:



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6. Cladogram considers the following characters

A. Physiological and Biochemical

B. Evolutionary and Phylogenetic

C. Taxonomic and systematic

D. None of the above

Answer:



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7. Molecular taxonomic tool consists of

A. DNA and RNA

B. Mitochondria and Endocoplamic
reticulum

C. Cell wall and Membrane proteins

D. All the above

Answer:



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8. Differentiate between probiotic and pathogenic bacteria



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9. Why mule is sterile in nature?



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10. List any five salient features of the family Felidae.



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11. What is the role of Charles Darwin in relation to concept of species?



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12. Why elephants and other wild animals are entering into human living area?



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13. What is the difference between a Zoo and wild life sanctuary?



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14. Can we use recent molecular tools to identify and classify organisms?



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15. Explain the role of Latin and Greek names in Biology.



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