



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

THE LIVING WORLD

Very Short Answer Type Questions

1. What does ICBN Stand for?



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2. What is Flora? .



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3. Define metabolism. What is the difference between anabolism and catabolism?



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4. Which is the largest botanical garden in the world ? Name a few well known botanical gardens in India.



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5. Define the terms couplet and lead in taxonomic key.



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6. What is meant by manuals and monographs ?



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7. What is systematics?



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8. Why are living organisms classified ?



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9. What is the basic unit of classification ?

Define it.



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10. Give the scientific name of Mango. Identify the generic name and specific epithet.



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11. What is growth? What is the difference between the growth in living organisms and growth in non-living objects ?



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Short Answer Type Questions

1. What is meant by Identification and nomenclature ? How is a key helpful in the identification & classification of an organism ?



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2. What are taxonomical aids ? Give the importance of herbaria and museums.



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



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4. How are botanical gardens useful in conserving biodiversity ? Define the terms Flora, manuals, monographs and catalogues ?



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5. Explain binomial nomenclature.



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Long Answer Type Questions

1. What is meant by living 7 Give a detailed account of any four defining features of life forms.



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2. Define the following terms with examples .

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

Division



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Textual Exercises

1. Some of the properties of tissues are not constituents of their cells. Give two examples to support the statement.



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



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3. Given below is the scientific name of Mango.

Identify the correctly written name.

Mangifera Indica

Mangifera indica



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4. 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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5. Define the following terms: -

i) Species ii) Class ii) Family iv) order v) Genus.



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6. Illustrate the taxonomical hierarchy with suitable example of a plant.



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7. What are the distinctive characteristics exhibited by living organisms ? Describe them in brief.



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8. Life forms exhibit 'unity in diversity" -

Discuss with your teacher.



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9. List out the principles followed to provide scientific names for newly found organism?



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