

**SAINIK SCHOOL GOPALGANJ**

**SUB: BIOLOGY**

**CLASS - XI**

**ASSIGNMENT**

**Lesson: 1: The Living World**

**(Q1 to Q10.) Given below are four options against each question. Choose the option which you consider the most appropriate as your answer.**

1. Identify the correct sequence of taxonomic hierarchy:-

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

2. Genus represents

- (a) An individual plant or animal
- (b) A collection of plants or animals
- (c) A group of closely related species of plants or animals
- (d) None of these

3. Taxonomic key is one of the taxonomic tools in the identification and classification of plants and animals .It is used in the preparation of

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|------------------|-------------------|
| (a) Monographs   | (b) Flora         |
| (c) both a and b | (d) None of these |

4. Which among the following is not a genus?

- |             |            |
|-------------|------------|
| (a) Solanum | (b) indica |
| (c) Felis   | (d) Homo   |

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

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

6. The basic unit of biological classification is

- |             |                   |
|-------------|-------------------|
| (a) Kingdom | (b) Taxon         |
| (c) Genus   | (d) None of these |

7. *Panthera tigris* is the zoological name of

- |                  |                   |
|------------------|-------------------|
| (a) Lion         | (b) Tiger         |
| (c) both a and b | (d) None of these |

8. The term .....is used for plants, in place of phylum for animals.

- |              |                   |
|--------------|-------------------|
| (a) Order    | (b) Flora         |
| (c) Division | (d) None of these |

9. First great taxonomist is  
(a) Aristotle (b) Linnaeus  
(c) Hooker (d) None of these
10. The term 'phylum' in animal classification was coined by  
(a) Aristotle (b) Linnaeus  
(c) Hooker (d) Ernst Haeckel
11. Mention any four characteristics of living beings.
12. Why are the living beings given scientific names?
13. Mention the rules of binomial nomenclature.
14. What is the importance of classification?
15. What is taxonomy?
16. What do you understand by 'taxonomical hierarchy of categories'? Explain with a suitable example.
17. Mango may have different names in different parts of the country of the world. But for the botanist it is *Mangifera indica*.
- (a) Why do people give vernacular names to species?
- (b) As a student of biology what do you feel are the advantages of giving scientific names to the Mango?
18. Your mother has kept "whole moong daal" in jar and "broken moong daal" in other jar. How could you differentiate between "whole moong daal" and "broken moong daal" in terms of respiration and growth?
19. In a given habitat, we have 20 plant species and 20 animal species. Should we call this diversity or biodiversity? Justify your answer.
20. Write a short account on herbarium and museum as a taxonomic aid.

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