

CHAPTER 3

The Living World

Diversity in the Living World

- Select the correctly written scientific name of Mango which was first described by Carolus Linnaeus. (2019)
 - Mangifera indica* Car. Linn.
 - Mangifera indica* Linn.
 - Mangifera indica*
 - Mangifera Indica
- Study the four statements (A–D) given below and select the two correct ones out of them: (2016-II)
 - Definition of biological species was given by Ernst Mayr.
 - Photoperiod does not affect reproduction in plants.
 - Binomial nomenclature system was given by R.H. Whittaker.
 - In unicellular organisms, reproduction is synonymous with growth.

The two correct statements are

- A and D
- A and B
- B and C
- C and D

Taxonomic Categories

- In the taxonomic categories which hierarchical arrangement in ascending order is correct in case of animals? (2022)
 - Kingdom, Order, Phylum, Class, Family, Genus, Species
 - Kingdom, Phylum, Class, Order, Family, Genus, Species
 - Kingdom, Class, Phylum, Family, Order, Genus, Species
 - Kingdom, Order, Class, Phylum, Family, Genus, Species
- Which one of the following belongs to the family Muscidae? (2021)
 - Grasshopper
 - Cockroach
 - Housefly
 - Fire fly

- Match Column-I with Column-II for housefly classification and select the correct option using the codes given below: (2016-II)

Column-I		Column-II	
A.	Family	(i)	Diptera
B.	Order	(ii)	Arthropoda
C.	Class	(iii)	Muscidae
D.	Phylum	(iv)	Insecta

Codes:

- A-iv B-iii C-ii D-i
- A-iv B-ii C-i D-iii
- A-iii B-i C-iv D-ii
- A-iii B-ii C-iv D-i

Taxonomical Aids

- Match the items given in Column-I with those in Column-II and select the correct option given below [RC] (2018)

Column – I		Column – II	
A.	Herbarium	(i)	It is a place having a collection of preserved plants and animals.
B.	Key	(ii)	A list that enumerates methodically all the species found in an area with brief description aiding identification
C.	Museum	(iii)	Is a place where dried and pressed plant specimens mounted on sheets are kept.
D.	Catalogue	(iv)	A booklet containing a list of characters and their alternates which are helpful in identification of various taxa.

- A-i B-iv C-iii D-ii
- A-iii B-ii C-i D-iv
- A-ii B-iv C-iii D-i
- A-iii B-iv C-i D-ii

7. The label of a herbarium sheet does not carry information on:
[RC] (2016-II)

- a. Local names
- b. Height of the plant
- c. Date of collection
- d. Name of collector

8. Which one of the following is not a correct statement?
[RC] (2013)

- a. Key is a taxonomic aid for identification of specimens.
- b. Herbarium houses dried, pressed and preserved plant specimens.
- c. Botanical gardens have collection of living plants for reference.
- d. A museum has collection of photographs of plants and animals.

Answer Key

1	2	3	4	5	6	7	8
b	a	None	c	c	d	b	d

