

1. In the taxonomic categories which hierarchical arrangement in ascending order is correct in case of animals ?

(2022)

- (a) Kingdom, Class, Phylum, Family, Order, Genus, Species
- (b) Kingdom, Order, Class, Phylum, Family, Genus, Species
- (c) Kingdom, Order, Phylum, Class, Family, Genus, Species
- (d) Kingdom, Phylum, Class, Order, Family, Genus, Species

2. Which one of the following belongs to the family Muscidae?

(2021)

- (a) Grasshopper (b) Cockroach
- (c) Housefly (d) Fire fly

3. Select the correctly written scientific name of Mango which was first described by Carolus Linnaeus

(2019)

- (a) *Mangifera indica* Car. Linn.
- (b) *Mangifera indica* Linn.
- (c) *Mangifera indica*
- (d) *Mangifera Indica*

4. Match the items given in Column-I with those in Column-II and select the correct option given below

(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) A-(i) B-(iv) C-(iii) D-(ii)
- (b) A-(iii) B-(ii) C-(i) D-(iv)
- (c) A-(ii) B-(iv) C-(iii) D-(i)
- (d) A-(iii) B-(iv) C-(i) D-(ii)

5. Given below are the various taxonomic aids used in taxonomy which facilitate identification and classification of organisms. Which one of the following is wrong? **(2017)**

- (a) Keys, floras, manuals, monographs and catalogues are useful aids for identification of plants and animals
- (b) Herbarium is created to house live specimens of plant material
- (c) Museums are established to keep preserved specimens of animals and plants
- (d) Botanical gardens and Zoological parks are established to conserve and preserve live plants and animals respectively

6. Study the four statements (A–D) given below and select the two correct ones out of them: **(2016-II)**

- A. Definition of biological species was given by Ernst Mayr.
- B. Photoperiod does not affect reproduction in plants.
- C. Binomial nomenclature system was given by R.H. Whittaker.
- D. In unicellular organisms, reproduction is synonymous with growth.

The two correct statements are

- (a) A and D
- (b) A and B
- (c) B and C
- (d) C and D

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

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

8. 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) A-(iv) B-(iii) C-(ii) D-(i)
- (b) A-(iv) B-(ii) C-(i) D-(iii)
- (c) A-(iii) B-(i) C-(iv) D-(ii)
- (d) A-(iii) B-(ii) C-(iv) D-(i)

9. Which one of the following is not a correct statement? **(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.

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