

Section A

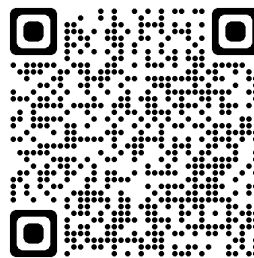
- Write the answer of the following questions. [Each carries 1 Mark] [20]

1. Match the following and choose the correct option.

Column-I	Column-II
(a) Family	(1) Tuberosum
(b) Kingdom	(2) Polymoniales
(c) Order	(3) Solanum
(d) Species	(4) Plantae
(e) Genus	(5) Solanaceae

- (A) (a - 4) (b - 3) (c - 5) (d - 2) (e - 1) (B) (a - 5) (b - 4) (c - 2) (d - 1) (e - 3)
 (C) (a - 4) (b - 5) (c - 2) (d - 1) (e - 3) (D) (a - 5) (b - 3) (c - 2) (d - 1) (e - 4)
2. As we go from species to kingdom in a taxonomic hierarchy, the number of common characteristics
 (A) will decrease (B) will increase
 (C) remain same (D) may increase or decrease
3. Which of the following 'suffixes' used for units of classification in plants indicates a taxonomic category of 'Family' ?
 (A) - Ales (B) - Onae (C) - Aceae (D) - Ae
4. The term 'systematics' refers to
 (A) identification and study of organ systems
 (B) identification and preservation of plants and animals
 (C) diversity of kinds of organisms and their relationship
 (D) study of habitats of organisms and their classification
5. Genus represents
 (A) an individual plant or animal
 (B) a collection of plants or animals
 (C) group of closely related species of plants or animals
 (D) None of the above
6. The taxonomic unit 'Phylum' in the classification of animals is equivalent to which hierarchial level in classification of plants.
 (A) Class (B) Order (C) Division (D) Family
7. Botanical gardens and Zoological parks have
 (A) collection of endemic living species only
 (B) collection of exotic living species only
 (C) collection of endemic and exotic living species
 (D) collection of only local plants and animals
8. Taxonomic key is one of the taxonomic tools in the identification and classification of plants and animals. It is used in the preparation of
 (A) Monographs (B) Flora (C) Both (A) and (B) (D) None of these
9. All living organisms are linked to one another because
 (A) they have common genetic material of the same type

- (B) they share common genetic material but to varying degrees
 (C) all have common cellular organisation
 (D) all of the above
10. Which of the following is a defining characteristic of living organisms ?
 (A) Growth (B) Ability to make sound
 (C) Reproduction (D) Response to external stimuli
11. Name the order of housefly.
 (A) Primata (B) Diptera (C) Poaceals (D) Sepideales
12. Which one is defining feature of life forms ?
 (A) Reproduction (B) Consciousness
 (C) Cellular organisation of body (D) Both (B) and (C)
13. The scientific name of mango is :
 (A) Mangifera Indica (B) Mangifera Indica (C) Mangifera indica (D) *Mangifera indica*
14. Each scientific name has
 (A) 2 component (B) 1 component (C) 3 component (D) 4 component
15. The word systematics is derived from
 (A) Greek word (B) Latin word (C) English word (D) Indian word
16. Which processes are basic to taxonomy
 (A) Characterisation (B) Identification (C) Classification (D) All of these
17. Potato and brinjal belongs to
 (A) same species (B) same genus (C) Same family (D) Both (B) and (C)
18. What is common in lion, leopard and tiger ?
 (A) All belong to same species (B) All belong to same genus Felidae
 (C) All belongs to same genus panthera (D) None of these
19. What is common in lion and cats ?
 (A) Both belong to same genus Felidae (B) Both belong to same genus panthera
 (C) Both belong to same species (D) Both belong to same family Felidae
20. Which two families are included into carnivora ?
 (A) Panthera and canidae (B) Felidae and Canidae
 (C) Canidae and amphibians (D) Canidae and Ratteae



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