



- 1. The taxonomical aid used for identifying of plants & animals based on the similarities and dissimilarities**
  - A. Also show actual account of habitat
  - B. Maintains collections of preserved plant & animal specimens
  - C. Is generally analytical in nature
  - D. Is associated with in situ conservation strategies



**2. Which of the following provide ecological, economical and ethanobotanical data of any plant species?**

- A. Botanical garden
- B. Herbarium
- C. Zoological park
- D. Photographs

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### 3. Herbarium is:

- A. A garden where medicinal plants are grown
- B. Garden where herbaceous plants are grown
- C. Dry garden
- D. Chemical to kill plants

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4. Match the column I & II, & choose the correct combination from the options given

a. A-I B-II C-III D-IV

b. A-I B-II C-IV D-III

c. A-II B-I C-IV D-III

d. A-III B-I C-II D-IV

Column I	Column II
A. Fungi	I. Asexual spores
B. Amoeba	II. Binary fission
C. Hydra and Yeast	III. True regeneration
D. Planaria	IV. Budding



5. Systematics deals with study of :
- A. Distribution of living organisms
  - B. Classification of living organisms
  - C. Diversity of living organisms including the evolutionary relationship
  - D. Nomenclature of living organisms



6. Biological concept of species is applicable on:-

- A. Eukaryotes
- B. Acetobacter
- C. Mule
- D. Mycoplasma

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7. ICBN codes for
- A. International code for Botanical Nomenclature
  - B. International code for Binomial Nomenclature
  - C. International code for Botanical Naming
  - D. International code for Binomial Naming



8. All living organisms are linked to one another because
- A. They show common genetic material but to varying degree
  - B. They have common genetic material of the same type
  - C. All have common cellular organisation
  - D. All of the above





9. 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

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10. Arrange the following Taxonomic categories in an ascending order beginning from fundamental unit of classification:-

- I. Division
  - II. Family
  - III. Class
  - IV. Species
  - V. Order
  - VI. Genus
  - VII. Kingdom
- a. IV-VI-II-V-III-I-VII
  - b. IV-VI-II-III-I-VII-V
  - c. IV-VI-III-II-V-VII-I
  - d. IV-VI-II-III-V-I-VII

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11. 'Taxa' differs from 'taxon' due to
- A. This being a higher Taxonomic category than taxon
  - B. This being lower Taxonomic category than taxon
  - C. This being the plural of taxon
  - D. This being the singular of taxon



12. Identify the correct sequence of Taxonomic categories

- A. Species-Order-Kingdom-Phylum
- B. Species-Family-Genus-Class
- C. Genus-Species-Order-Phylum
- D. Species-Genus-Order-Phylum

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13. Family and order of *Triticum aestivum* (=wheat) are

A. Poaceae, Monocotyledonae

B. Poaceae, Poales

C. Poales, Monocotyledonae

D. None is correct

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14. Family of man (*Homo sapiens*) is:

- A. Hominidae
- B. Hominini
- C. Primata
- D. Ceboideae

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## 15. Match the columns and find out the correct combination:

a. A-5 B-4 C-1 D-3

b. A-4 B-2 C-3 D-1

c. A-1 B-3 C-2 D-4

d. A-3 B-1 C-4 D-2

A. Couplet	1. Information of any one taxon
B. Lead	2. Preserved specimen
C. Monograph	3. Specially designed for ready reference
D. Manuals	4. Each statement in the key
	5. A pair of contrasting characters



**16. Couplet represents the choice made between two opposite options which results in**

- A. Rejection of both option
- B. Acceptance of both the option
- C. Either acceptance or rejection of both the option
- D. Acceptance of only one and rejection of the other

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## 17. Taxonomical keys are

- A. Analytical in nature
- B. Taxonomical aid used for identification of both plants & animals
- C. Based on the contrasting characters
- D. All of the above



**18. Match the two columns:**

a. A-II B-IV C-I D-III E-V

b. A-I B-II C-III D-IV E-V

c. A-V B-IV C-III D-II E-I

d. A-III B-V C-II D-I E-IV

Column I	Column II
A. Zoological park	I. A unit of classification made of related genera
B. Botanical garden	II. Only living animals are protected
C. Family	III. Lowest/smallest Taxonomic category
D. Species	IV. Only living plants are of Taxonomic importance in it
E. Order	V. Aggregates of related families



**19. The taxonomic aid, used for identification of both plants and animals is:-**

- A. Herbarium
- B. Botanical garden
- C. Flora
- D. Taxonomic keys

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## 20. Identify the correct from the column I, II & III

- A-b-i C-c-i B-b-ii D-a-iv
- B-b-iii D-a-i C-ii A-c-iv
- D-a-i B-c-ii C-a-iv A-a-i
- C-a-iv A-c-i B-b-iii D-a-ii

Column I	Column II	Column III
A. Herbarium	a. Living form	i. Quick referral system
B. Museum	b. Dead form	ii. Ex situ conservation
C. Zoological park	c. Dried form	iii. Set up in educational institutes
D. Botanical gardens		iv. Studying food habit & behaviour



**21. Which of the following taxonomical aid serve as a quick referral systems in taxonomical studies?**

- A. Key
- B. Botanical gardens
- C. Herbarium
- D. Museum

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## 22. Which taxonomical aid contain information on any one taxon?

- A. Herbarium
- B. Mannual
- C. Monograph
- D. Zoological park

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23. Match column I with II for housefly classification & select the correct option using the codes given below: [NEET 2016 II]

- 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-UV D-I

Column I	Column II
A. Family	I. Diptera
B. Order	II. Arthropoda
C. Class	III. Muscidae
D. Phylum	IV. Insecta



**24. Which one of the following is not a correct statement?  
[NEET2013]**

- A. Key is a taxonomic 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





**25. Largest botanical garden of world and Asia are respectively located at:-**

- A. Kew (England) & Padua (Italy)
- B. Howra (India) & Kew (England)
- C. Kew (England) & Lucknow (India)
- D. Kew (England) & Howrah (India)

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## 26. Arrange the following events for preservation of insects

- A. Pinning
- B. Killing
- C. Insect box
- D. Collecting

Option:-

- a. D,C,B,A
- b. D,B,C,A
- c. D,B,A,C
- d. C,D,B,A

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27. Biodiversity of a geographical region represents : [AIPMT-2011 Mains]
- A. Genetic diversity present in the dominant species of the region
  - B. Species endemic to the region
  - C. Endangered species found in the region
  - D. The diversity in the organisms living in the region



28. ICZN codes for:

- A. International code for zoological Nomenclature
- B. International code for zoological Naming
- C. International coding for zoological nomenclature
- D. Inbreeding code for zoological nomenclature



29. In binomial nomenclature, the name of an organism consists of

- A. A scientific and a common name
- B. Name of genus and species
- C. A name given by two scientists
- D. One name is Latin, other common

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30. Some animals, with their respective Taxonomic category are given below. Which of the following is correctly matched?

- A. Man – Class Primata
- B. Mango – Family Anacardiaceae
- C. Wheat – Order Poaceae
- D. Leopard – Genus pardus

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31. Match the organism in column I with their family in column II

a. A-3 B-4 C-1 D-2

b. A-4 B-3 C-2 D-1

c. A-4 B-3 C-1 D-2

d. A-2 B-1 C-4 D-2

Column I	Column II
A. Wheat	1. Hominidae
B. Mango	2. Muscidae
C. Housefly	3. Anacardiaceae
D. Man	4. Poaceae



32. In which organism Reproduction can be considered synonymous with growth?

- A. Amoeba
- B. Planaria
- C. Star fish
- D. Two of the above

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33. How many (in number) of the following properties are the defining characteristics of living organisms?

Growth, Reproduction, metabolism, cellular organisation, consciousness

A. 2

B. 3

C. 4

D. 5

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34. Self consciousness (the awareness of himself) is the property of

- A. All living organisms
- B. Prokaryotes only
- C. Eukaryotes only
- D. Human being only

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35. The most important feature of all living systems is to

- A. Utilise oxygen to generate energy
- B. Replicate the genetic information
- C. Produce gametes
- D. Utilise solar energy for metabolic activities

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36. Match the columns & find out the correct combination:

- a. A-4 B-3 C-1 D-2
- b. A-3 B-4 C-5 D-2
- c. A-1 B-2 C-3 D-4
- d. A-2 B-1 C-4 D-3

Common name	Biological name
A. Tobacco	1. Mangifera indica
B. Potato	2. Triticum aestivum
C. Brinjal	3. Nicotiana tobacum
D. Wheat	4. Solanum Tuberosum
	5. Solanum melongena



37. NBRI is situated at:

- A. Calcutta
- B. Bombay
- C. Madras
- D. Lucknow

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38. Mark the odd one in the following:

- A. Family
- B. Class
- C. Taxon
- D. Phylum

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39. The usage of binomial names, for plant species was accepted by all after the publication of the work by;

- A. Hooker
- B. Linnaeus
- C. Bentham
- D. Darwin

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40. Which of the following subdivisions deals with Fossils?

- A. Ecology
- B. Ornithology
- C. Ethology
- D. Paleontology

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**Answers**

- 1) C
- 2) B
- 3) C
- 4) B
- 5) C
- 6) A
- 7) A
- 8) A
- 9) D
- 10) A
- 11) C
- 12) D
- 13) B
- 14) A
- 15) A
- 16) D
- 17) D
- 18) A
- 19) D
- 20) D

- 21) C
- 22) C
- 23) C
- 24) D
- 25) D
- 26) C
- 27) D
- 28) A
- 29) B
- 30) B
- 31) B
- 32) A
- 33) B
- 34) D
- 35) B
- 36) B
- 37) D
- 38) C
- 39) B
- 40) D

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