



Class Test - 02

Yakeen NEET 2.0 - 2026

Duration : 30 Min.

Topic : The Living World

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1. The word 'taxon' signifies
  - (1) Scientific name of an organism
  - (2) Developmental process of an organism
  - (3) Taxonomic group of any rank
  - (4) Ecological importance of an organism
2. Pick the incorrect statement about species.
  - (1) Each species has some distinct morphological features than other species
  - (2) The group of organisms in a particular species freely interbreed among themselves
  - (3) The second part of biological name consists of specific name
  - (4) Each species may have one or more genus
3. The specific epithet in *Solanum tuberosum* and *Canis familiaris* respectively is
  - (1) *tuberosum* and *Canis*
  - (2) *Solanum* and *familiaris*
  - (3) *tuberosum* and *familiaris*
  - (4) *Solanum* and *Canis*
4. All related species are kept under
  - (1) One common genus
  - (2) Different genus due to different evolutionary courses
  - (3) Various groups according to the similarities and differences
  - (4) Different higher taxa on basis of morphological differences
5. Find the correct match.
  - (a) *tuberosum* - *Panthera*
  - (b) *pardus* - *Canis*
  - (c) *lupus* - *Canis*
  - (d) *aureus* - *Solanum*
  - (1) Only (a) & (c)
  - (2) (a), (b) & (c)
  - (3) (b), (c) & (d)
  - (4) Only (c)
6. Various groups of related genera are kept in
  - (1) A single species
  - (2) A single family
  - (3) Many species but single family
  - (4) In taxon which come
7. Solanaceae is a
  - (1) Single family of related genera
  - (2) Species name of potato
  - (3) Taxon of similar genus like *Allium*, *Colchicum*
  - (4) Local name of tomato
8. Carnivora includes
  - (1) Group of organisms belonging to related genera
  - (2) Group of organisms belonging to related species
  - (3) Group of organisms belonging to related families
  - (4) Group of organisms which are similar in all features
9. The order Polymoniales consists of
  - (1) *Canidae* and *Felidae* like families
  - (2) *Solanum* and *Petunia* like genera
  - (3) *lupus* and *familiaris* like species
  - (4) *Convolvulaceae* and *Solanaceae* like families
10. The group of organisms belonging to one or more related orders are assigned to
  - (1) Different class but same family
  - (2) Same class on basis of a few similar characters
  - (3) Any taxa lower to order, in taxonomical hierarchy
  - (4) Same family due to similar morphological characters
11. Different organisms belonging to different orders are placed in a single class due to the fact that
  - (1) They have all similar morphological and reproductive characters
  - (2) They have similar place of origin
  - (3) They share a common habitat
  - (4) They have few similar or common characters



12. Which of the following represents “Phylum”?
- (1) Mammalia (2) Chordata  
(3) *Solanum* (4) Carnivora
13. Chordata includes
- (1) Fishes, birds (2) Mammals, reptiles  
(3) Aves, reptilia (4) All of these
14. Which of the following is incorrect w.r.t. species?
- (1) A group of individual organisms with fundamental similarities  
(2) Two different species breed together to produce fertile offsprings  
(3) Human beings belong to the species *sapiens*  
(4) *Panthera* has many specific epithet as *tigris*, *leo* and *pardus*
15. Which of the following is a class?
- (1) Mammalia  
(2) Sapindales  
(3) Primata  
(4) Poales
16. \_\_\_\_\_ is the assemblage of families which exhibit a few similar characters.
- (1) Class  
(2) Genus  
(3) Species  
(4) Order
17. Fill in the blanks A and B.  
Kingdom → Phylum → [A] → Order → [B]
- (1) A - Genus; B - Species  
(2) A - Family; B - Class  
(3) A - Class; B - Family  
(4) A - Species; B - Division
18. Match the following columns
- |    | Column-I               |       | Column-II        |
|----|------------------------|-------|------------------|
| a. | Binomial nomenclature  | (i)   | Carolus Linnaeus |
| b. | Generic name           | (ii)  | Muscidae         |
| c. | Family                 | (iii) | <i>Panthera</i>  |
| d. | <i>Systema naturae</i> |       |                  |
- (1) a(i), b(iii), c(iii), d(ii)  
(2) a(i), b(iii), c(ii), d(i)  
(3) a(ii), b(i), c(i), d(iii)  
(4) a(iii), b(i), c(ii), d(i)
19. Three different genera *Solanum*, *Petunia* and *Datura* are placed in the family
- (1) Poaceae (2) Anacardiaceae  
(3) Hominidae (4) Solanaceae
20. Cat and dog are placed in which families respectively
- (1) Felidae and Hominidae  
(2) Muscidae and Felidae  
(3) Poaceae and Canidae  
(4) Felidae and Canidae
21. In which of the following pair of category, greater is the difficulty of determining the relationship to other taxa at the same level, thus the problem of classification becomes more complex?
- (1) Genus and species  
(2) Tribe and genus  
(3) Division and phylum  
(4) Species and family
22. In taxonomic hierarchy, which of the following group of taxa will have less number of similarities as compared to other?
- (1) Solanaceae, Convolvulaceae and Poaceae  
(2) Polymoniales, Poales and Sapindales  
(3) *Solanum*, *Petunia* and *Atropa*  
(4) Leopard, tiger and lion
23. Taxonomic categories which come lower to the rank of class are
- (1) Order, phylum, family, species  
(2) Order, family, genus, species  
(3) Division, family, order, genus  
(4) Order, division, genus, species
24. Out of the following taxa which one represents the highest rank in taxonomic hierarchy?
- (1) Poales  
(2) Anacardiaceae  
(3) Monocotyledonae  
(4) Polymoniales
25. The correctly written scientific name of potato is
- (1) *Solanum tuberosum* Linn  
(2) *Solanum tuberosum* Linn  
(3) *Solanum Tuberosum* Linn  
(4) *Solanum tuberosum* Linn



26. Each genus
- (1) May have one or more than one specific epithets representing different organisms
  - (2) Always has one specific epithet
  - (3) Always has multiple specific epithets
  - (4) May have more than one specific epithets representing the same organism
27. Genus is a group of related
- (1) Species
  - (2) Classes
  - (3) Divisions
  - (4) Phyla
28. Find out the true (T) / false (F) statements and choose the correct option
- Families are characterised on the basis of both vegetative and reproductive features of plant species
  - Solanum*, *Petunia* and *Lilium* belong to the family Solanaceae
  - Panthera* and *Felis* belong to the order Felidae
  - Dog belongs the family Canidae
- | I     | II | III | IV |
|-------|----|-----|----|
| (1) T | T  | F   | F  |
| (2) T | T  | T   | F  |
| (3) T | F  | T   | T  |
| (4) T | F  | F   | T  |
29. Find out the missing category 'X'
- Species → Genus → X → Order → Class
- (1) Class
  - (2) Subspecies
  - (3) Variety
  - (4) Family
30. Which of the following is correct?
- (1) Convolvulaceae and Solanaceae belong to the order Polymoniales
  - (2) The family Carnivora includes orders like Canidae and Felidae
  - (3) Only seven categories are possible in classification system
  - (4) Taxonomic categories are merely morphological aggregates
31. Find out the incorrect match
- | Common name  | Family        | Order      |
|--------------|---------------|------------|
| (1) Mango    | Anacardiaceae | Sapindales |
| (2) Man      | Hominidae     | Primata    |
| (3) Wheat    | Poaceae       | Poales     |
| (4) Housefly | Musca         | Diptera    |
32. Given organisms belongs to how many genera?  
Wheat, Brinjal, Potato, Lion, Dog, Tiger
- (1) Three
  - (2) Two
  - (3) Four
  - (4) Five
33. Organisms which can freely interbreed and produce fertile offspring and have similar coded information or blue print for making these organisms are called
- (1) Species
  - (2) Tribe
  - (3) Genus
  - (4) Sub-genus
34. The correct sequence of taxonomic categories is
- (1) Division-class-family-tribe-order-genus-species
  - (2) Division-class-order-family-tribe-genus-species
  - (3) Phylum-order-class-tribe-family-genus-species
  - (4) Class-phylum-tribe-order-family-genus-species
35. Two species can be said to be reproductively isolated if they are
- (1) Interfertile
  - (2) Not interfertile
  - (3) Do not grow together in a common habitat
  - (4) Growing together in a common habitat
36. A genus having many species is known as
- (1) Polytypic
  - (2) Monotypic
  - (3) Polygamic
  - (4) Both (1) and (3)
37. In taxonomic hierarchy, which of the following group of taxa will have more number of similarities as compared to other?
- (1) Anacardiaceae, Convolvulaceae and Poaceae
  - (2) Polymoniales, Poales and Sapindales
  - (3) *Solanum*, *Petunia* and *Atropa*
  - (4) Leopard, tiger and lion
38. In which of the following pair of category, greater is the difficulty of determining the relationship to other taxa at the same level, thus, the problem of classification becomes more complex?
- (1) Genus and species
  - (2) Variety and genus
  - (3) Division and phylum
  - (4) Species and family



39. Rice, cereals, monocots and plants represent
- (1) Different taxa at different level
  - (2) Same taxa of different category
  - (3) Different category of same taxa
  - (4) Same category for different taxa
40. The equivalent rank of Carnivora in taxonomic categories of man and housefly is respectively
- (1) *Homo* and *Musca*
  - (2) Hominidae and Muscidae
  - (3) Mammalia and Insecta
  - (4) Primata and Diptera
41. All given are suffixes used for category class, except
- (1) -phyta
  - (2) -opsida
  - (3) -phyceae
  - (4) -ae
42. Which category comes after phylum in descending order in taxonomic hierarchy?
- (1) Genus
  - (2) Family
  - (3) Class
  - (4) Species
43. Order primata and carnivora are placed in the same class, i.e.
- (1) Hominidae
  - (2) Mammalia
  - (3) Insecta
  - (4) Chordata
44. Fishes, amphibians, reptiles and birds are kept in the same \_\_\_\_\_
- (1) Order
  - (2) Class
  - (3) Genus
  - (4) Phylum
45. Choose odd one out w.r.t. *Panthera leo*
- (1) Common name of tiger
  - (2) *Panthera* represents generic name
  - (3) *leo* represents specific epithet
  - (4) *Panthera* represents higher level of taxon than *leo*
46. Potato and brinjal belong to the genus *Solanum*, which reflects that
- (1) They belong to single species
  - (2) They are a group of related species
  - (3) They both are morphologically and structurally similar to each other in all respects
  - (4) They can always produce fertile hybrid
47. Class mammalia consists of
- (1) Order carnivora only
  - (2) Families like felidae and canidae only
  - (3) Related orders like carnivora, primata, etc.
  - (4) All animals belonging to various phyla



## ANSWER KEY

1. (3)	17. (3)	33. (1)
2. (4)	18. (2)	34. (2)
3. (3)	19. (4)	35. (2)
4. (1)	20. (4)	36. (1)
5. (4)	21. (3)	37. (4)
6. (2)	22. (2)	38. (3)
7. (1)	23. (2)	39. (1)
8. (3)	24. (3)	40. (4)
9. (4)	25. (2)	41. (1)
10. (2)	26. (1)	42. (3)
11. (4)	27. (1)	43. (2)
12. (2)	28. (4)	44. (4)
13. (4)	29. (4)	45. (1)
14. (2)	30. (1)	46. (2)
15. (1)	31. (4)	47. (3)
16. (4)	32. (3)	



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