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MCQ Set 3: The Living World

1. The living world is amazing because of its:
 - a) Uniformity
 - b) Diversity
 - c) Simplicity
 - d) Predictability

2. Early humans worshipped some inanimate objects and living organisms due to:
 - a) Scientific knowledge
 - b) Sense of awe or fear
 - c) Economic value
 - d) Agricultural benefits

3. The systematic description of life forms led to the development of:
 - a) Identification systems
 - b) Nomenclature systems
 - c) Classification systems
 - d) All of the above

4. The purpose of identification is to:
 - a) Name the organism
 - b) Classify the organism
 - c) Describe the organism correctly
 - d) Determine its evolution

5. Systematics is derived from the Latin word 'systema', meaning:
 - a) Life forms
 - b) Systematic arrangement
 - c) Diversity
 - d) Evolution

6. The ICBN stands for:
 - a) International Code for Biological Naming
 - b) International Code for Botanical Nomenclature
 - c) Indian Code for Biological Nomenclature
 - d) International Classification of Biological Names

7. A scientific name consists of:
 - a) One word
 - b) Two words

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- c) Three words
- d) Four words

8. The binomial name of brinjal is:

- a) *Solanum tuberosum*
- b) *Solanum melongena*
- c) *Solanum nigrum*
- d) *Mangifera indica*

9. In the name *Panthera leo*, 'Panthera' is the:

- a) Specific epithet
- b) Genus
- c) Family
- d) Order

10. Biological names are Latinised to:

- a) Make them sound scientific
- b) Ensure uniformity worldwide
- c) Honor Latin scientists
- d) Make them difficult to understand

11. The first word in a biological name is the _____ and begins with a _____ letter.

- a) Species, small
- b) Genus, capital
- c) Family, capital
- d) Order, small

12. The author's name in *Mangifera indica* Linn. is:

- a) *Mangifera*
- b) *indica*
- c) Linn.
- d) *Mangifera indica*

13. Classification helps in:

- a) Studying a few organisms
- b) Studying all organisms easily
- c) Naming organisms
- d) Identifying organisms

14. The term 'taxon' is used for:

- a) A category in classification
- b) A scientific name
- c) An common name
- d) An author's name

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15. Taxonomy includes:

- a) Only classification
- b) Only nomenclature
- c) Identification, nomenclature, and classification
- d) Only identification

16. A group of related genera forms a:

- a) Species
- b) Genus
- c) Family
- d) Order

17. The species of lion is:

- a) Panthera
- b) leo
- c) tigris
- d) pardus

18. The genus of mango is:

- a) Mangifera
- b) indica
- c) Solanum
- d) Triticum

19. The family Anacardiaceae includes:

- a) Mango
- b) Wheat
- c) Potato
- d) Brinjal

20. The order that includes humans is:

- a) Carnivora
- b) Primata
- c) Diptera
- d) Sapindales

21. The class that includes houseflies is:

- a) Mammalia
- b) Insecta
- c) Aves
- d) Reptilia

22. The phylum that includes insects is:

- a) Chordata

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- b) Arthropoda
- c) Annelida
- d) Mollusca

23. The kingdom that includes all animals is:

- a) Plantae
- b) Animalia
- c) Fungi
- d) Protista

24. The correct hierarchical order is:

- a) Kingdom, Phylum, Class, Order, Family, Genus, Species
- b) Species, Genus, Family, Order, Class, Phylum, Kingdom
- c) Both a and b
- d) None of the above

25. As we go from species to kingdom, the number of common characteristics:

- a) Increases
- b) Decreases
- c) Remains constant
- d) Becomes zero

26. The scientific name of wheat is:

- a) Triticum aestivum
- b) Triticum Aestivum
- c) triticum aestivum
- d) Triticum aestivum

27. The genus of human is:

- a) Homo
- b) sapiens
- c) Hominidae
- d) Primata

28. The family of housefly is:

- a) Muscidae
- b) Hominidae
- c) Felidae
- d) Canidae

29. The order of housefly is:

- a) Diptera
- b) Primata

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- c) Carnivora
- d) Sapindales

30. The class of mango is:

- a) Dicotyledonae
- b) Monocotyledonae
- c) Angiospermae
- d) Gymnospermae

31. The phylum of human is:

- a) Chordata
- b) Arthropoda
- c) Annelida
- d) Mollusca

32. The division of wheat is:

- a) Angiospermae
- b) Gymnospermae
- c) Pteridophyta
- d) Bryophyta

33. The species of human is:

- a) Homo
- b) sapiens
- c) Hominidae
- d) Primata

34. The genus of potato is:

- a) Solanum
- b) tuberosum
- c) Panthera
- d) Triticum

35. The family of potato is:

- a) Solanaceae
- b) Anacardiaceae
- c) Poaceae
- d) Felidae

36. Taxonomy is based on:

- a) Only external structure
- b) Only internal structure
- c) Multiple criteria
- d) Only reproductive features

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37. A taxon is:

- a) A unit of classification
- b) A common name
- c) A scientific name
- d) An author's name

38. Identification involves:

- a) Naming the organism
- b) Describing the organism correctly
- c) Classifying the organism
- d) Determining its evolution

39. Linnaeus is known for:

- a) Theory of evolution
- b) Binomial nomenclature
- c) Genetic code
- d) Cell theory

40. Modern taxonomy uses information from:

- a) Only morphology
- b) Morphology, anatomy, cytology, ecology, etc.
- c) Only genetics
- d) Only fossils

41. Which of the following is a taxon?

- a) Running
- b) Jumping
- c) Panthera
- d) Eating

42. The category 'order' is a group of related:

- a) Species
- b) Genera
- c) Families
- d) Classes

43. The genus *Panthera* includes:

- a) Cats
- b) Dogs
- c) Lions and tigers
- d) Humans

44. The family Solanaceae includes:

- a) Potato and brinjal

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- b) Mango and wheat
- c) Human and monkey
- d) Lion and tiger

45. The order Primata includes:

- a) Humans and monkeys
- b) Cats and dogs
- c) Houseflies and mosquitoes
- d) Mango and wheat

46. The class Mammalia includes:

- a) Humans
- b) Houseflies
- c) Wheat
- d) Mango

47. The number of known species is approximately:

- a) 1.7-1.8 million
- b) 2 million
- c) 3 million
- d) 0.5 million

48. The binomial name of cat is:

- a) Felis catus
- b) Panthera leo
- c) Canis familiaris
- d) Musca domestica

49. The correctly written scientific name of potato is:

- a) Solanum tuberosum
- b) Solanum Tuberosum
- c) solanum tuberosum
- d) SOLANUM TUBEROSUM

50. The importance of taxonomy lies in:

- a) Agriculture, forestry, and industry
- b) Only academic studies
- c) Only evolutionary studies
- d) Only ecological studies

Answers: Set 3

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1. b) Diversity
2. b) Sense of awe or fear
3. d) All of the above
4. c) Describe the organism correctly
5. b) Systematic arrangement
6. b) International Code for Botanical Nomenclature
7. b) Two words
8. b) *Solanum melongena*
9. b) Genus
10. b) Ensure uniformity worldwide
11. b) Genus, capital
12. c) Linn.
13. b) Studying all organisms easily
14. a) A category in classification
15. c) Identification, nomenclature, and classification
16. c) Family
17. b) leo
18. a) *Mangifera*
19. a) Mango
20. b) *Primata*
21. b) *Insecta*
22. b) *Arthropoda*
23. b) *Animalia*
24. c) Both a and b
25. b) Decreases
26. a) *Triticum aestivum*
27. a) *Homo*
28. a) *Muscidae*
29. a) *Diptera*
30. a) *Dicotyledonae*
31. a) *Chordata*
32. a) *Angiospermae*
33. b) *sapiens*
34. a) *Solanum*
35. a) *Solanaceae*
36. c) Multiple criteria
37. a) A unit of classification
38. b) Describing the organism correctly
39. b) Binomial nomenclature
40. b) Morphology, anatomy, cytology, ecology, etc.
41. c) *Panthera*
42. c) Families

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- 43. c) Lions and tigers
- 44. a) Potato and brinjal
- 45. a) Humans and monkeys
- 46. a) Humans
- 47. a) 1.7-1.8 million
- 48. a) Felis catus
- 49. a) Solanum tuberosum
- 50. a) Agriculture, forestry, and industry

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