



BIOLOGY

BOOKS - S DINESH & CO BIOLOGY (HINGLISH)

BIOLOGICAL CLASSIFICATION

Mcq

1. The book which has left the maximum influence on the thinking of taxonomists is

A. Species Plantarum

B. Origin of Species

C. Systema Naturae

D. Historia Plantarum.

Answer: B



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2. New Systematics differs from Classical Systematics in employing

A. Experimental Taxonomy

B. Biochemical and Cytotaxonomy

C. All biological parameters

D. Numerical Taxonomy.

Answer: C



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3. Karyotaxonomy is a component of

A. Cytotaxonomy

B. Experimental Taxonomy

C. Biochemical Taxonomy

D. Numerical Taxonomy.

Answer: A



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4. For classification of angiosperms floral characters are preferred over vegetative characters because

- A. Reproductive axis shows a large degree of prominent variations
- B. Floral characters show less variations than vegetative traits
- C. Shape of flower is diagnostic feature in many families
- D. It is more handy to study floral features than vegetative characters.

Answer: B



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5. Classical systematics believes in

- A. Cytological studies
- B. Fixity of species
- C. Dynamic nature of species
- D. Genetic studies

Answer: B



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6. Study of only one or a few organisms for obtaining knowledge about species/higher group is

A. Nominalistic concept

B. Classical systematics

C. Typological concept

D. New systematics

Answer: C



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7. Phylogenetic system differs from a natural system in its stress on

- A. Anatomical details
- B. Physiological traits
- C. Morphological details
- D. Origin and evolutionary trends

Answer: D



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8. In an artificial system of classification

A. A large number of characters are taken into consideration

B. Correlated characters are more important

C. Physiological characters are relied upon

D. One or a few morphological characters are considered.

Answer: D



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9. Die Natürlichen Pflanzenfamilien was written
by

A. Linnaeus

B. Hutchinson

C. Engler and Prantl

D. De Candolle.

Answer: C



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10. Genera Plantarum was written by

A. Hutchinson

B. Bessey

C. Engler and Prantl

D. Bentham and Hooker.

Answer: D



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11. Who developed the concept of phylogeny ?

A. Linnaeus

B. Lamarck

C. Hippocrates

D. Ernst Haeckel.

Answer: D



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12. Classification reflecting the evolutionary inter-relationships of organisms is called

A. Phylogenetic classification

B. Artificial classification

C. Natural classification

D. Numerical classification.

Answer: A



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13. Cytotaxonomy is a form of

A. Classical systematics

B. New systematics

C. Morpho-systematics

D. All the above.

Answer: B



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14. Biochemical taxonomy is based on

- A. Study of chromosomes
- B. Study of statistics
- C. Study of proteins and serum
- D. Experimental determination of genetic relationships.

Answer: C



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15. Classification based on chromosome study of organisms is

A. Biochemical taxonomy

B. Karyotaxonomy

C. Numerical taxonomy

D. Experimental taxonomy.

Answer: B



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16. Turril's omega (ω) taxonomy is connected with

- A. Collection of biota
- B. Identification of organisms
- C. Bringing out relationships
- D. Compilation of flora and fauna

Answer: C



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17. Adansonian taxonomy brings out relationships with the help of

- A. Statistics of all known traits
- B. Evolutionary tendencies
- C. Similarities and dissimilarities
- D. All the above.

Answer: D



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18. Neosystematics is based on

A. Morphology and anatomy

B. Cytology and biochemistry

C. Genetics

D. All the above.

Answer: D



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19. Chemotaxonomy is connected with study of

A. Biochemicals

B. Secondary metabolites

C. Serum tests

D. Metabolic pathways.

Answer: B



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20. Karyotaxonomy is the modern branch of classification which is based on

A. Biochemicals

B. Secondary metabolites

C. Chromosomes

D. All the above.

Answer: C



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21. Serum tests for knowing relationships
come under

A. Experimental taxonomy

B. Chemotaxonomy

C. Biochemical taxonomy

D. Cytotaxonomy

Answer: C



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22. The earliest classification of animals was made in

A. Atharveda

B. Chandiyogya Upanishad

C. Susrata Samhita

D. Manu Samriti

Answer: B



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23. In two-kingdom classification procaryotes are placed in

A. Protozoa

B. Scyphozoa

C. Kingdom Animalia

D. Kingdom Plantae.

Answer: D



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24. Euglena has both holophytic and saprobic nutrition. The nutrition is called

- A. Saprophytic
- B. Mixotrophic
- C. Holo-saprotrophic
- D. Chemoheterotropic

Answer: B



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25. Two kingdom classification was given by

- A. Linnaeus

B. Haeckel

C. Copeland

D. Whittaker

Answer: A



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26. Three kingdom classification was proposed
by

A. Linnaeus

B. Haeckel

C. Whittaker

D. Lamarck

Answer: B



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27. Viruses has a volume in the range of

A. 10^{-10} to $10^{-6} \mu m^3$

B. 10^{-15} to $10^{-12} \mu m^3$

C. 10^{-6} to $10^{-3} \mu m^3$

D. $0.2 - 10 \mu m^3$

Answer: C



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28. Procaryotic cells have a volume range of

A. 0.2 to $10 \mu m^3$

B. $100 - 1000 \mu m^3$

C. $1000 - 10000 \mu m^3$

D. $0.01 - 0.1\mu m^3$

Answer: A



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29. Volume of an average eucaryotic cell is

A. $10 - 100\mu m^3$

B. $100 - 1000\mu m^3$

C. $200 - 2000\mu m^3$

D. $1000 - 10000\mu m^3$

Answer: D



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30. Metazoa is characterised by

- A. Unicellular animals
- B. Colonial animals
- C. Multicellular animals
- D. Multicellular decomposers

Answer: C



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31. Unicellular animals are placed in the kingdom

A. Animals

B. Protista

C. Monera

D. Metaphyta

Answer: B



32. In five-kingdom classification, unicellular green algae are included in the kingdom

A. Metaphyta

B. Protista

C. Monera

D. Metazoa.

Answer: A



33. Yeasts (unicellular) are members of the kingdom

A. Monera

B. Protista

C. Metaphyta

D. Fungi.

Answer: D



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34. In three-kingdom classification, fungi are included under

- A. Kingdom Fungi
- B. Kingdom Protista
- C. Kingdom Animalia
- D. Kingdom Plantae.

Answer: D



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35. In two-kingdom classification, Euglena was included amongst

A. Animalia

B. Plantae

C. Both A and B

D. Protista.

Answer: C



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36. Five-kingdom classification was proposed by

A. Linnaeus

B. Whittaker

C. John Ray

D. Lamarck

Answer: B



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37. Whittaker proposed 5-kingdom classification in

A. 1969

B. 1959

C. 1978

D. 1988

Answer: A



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38. Absorptive nutrition is

- A. Holophytic nutrition
- B. Saprotrophic nutrition
- C. Parasitic nutrition
- D. Both B and C

Answer: D



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39. Autotrophic nutrition includes

- A. Chemosynthesis
- B. Photosynthesis
- C. Both A and B
- D. Ingestive nutrition.

Answer: C



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40. Ingestive nutrition is

A. Heterotrophic

B. Autotrophic

C. Saprotrophic

D. Holophytic.

Answer: A



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41. In five-kingdom classification, Slime Moulds are included under

A. Monera

B. Protista

C. Fungi

D. Metaphyta.

Answer: B



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42. Algae are distributed in five kingdom classification amongst

A. Monera and Plantae

B. Monera and Protista

C. Monera, Protista and Plantae

D. Monera, Protista and Plantae

Answer: C



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43. Whittaker's classification is based on

A. Cell structure

B. Body structure

C. Nutrition

D. All the above.

Answer: D



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44. Protista includes organisms having

A. Procaryotic cell structure

B. Eucaryotic cell structure

C. Unicellular body

D. Both B and C

Answer: D



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45. Members of Kingdom Plantae are

- A. Eucaryotic
- B. Multicellular
- C. Unicellular
- D. All the above.

Answer: D



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46. Members of Kingdom Animalia are

A. Unicellular

B. Multicellular

C. Mostly unicellular, a few multicellular

D. Mostly multicellular, a few unicellular.

Answer: B



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47. Nutrition in Protista is

A. Phagotrophic

B. Autotrophic

C. Saprotrophic

D. All the above.

Answer: D



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48. Ecologically fungi are

A. Producers

B. Consumers

C. Decomposers

D. All the above.

Answer: C



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49. Heterotrophic ingestive nutrition is found in

A. Monera

B. Animalia

C. Plantae

D. Fungi.

Answer: B



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50. Entities excluded from five kingdom classification of Whittaker are

A. Viruses

B. Moulds

C. Algal fungi

D. Fungi Imperfecti.

Answer: A



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51. Which kingdom of Whittaker's classification seems to be unnatural?

A. Monera

B. Protista

C. Fungi

D. Animalia.

Answer: B



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52. In two kingdom classification, bacteria and fungi are included amongst

A. Animal kingdom

B. Plant kingdom

C. Both Plant and Animal kingdoms

D. None of the two kingdoms.

Answer: B



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53. Maximum nutritional diversity is found in group

A. Protista

B. Monera

C. Fungi

D. Animalia.

Answer: A



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54. Chemoautotrophy occurs in kingdom

A. Plantae

B. Protista

C. Monera

D. All the above.

Answer: C



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55. In five kingdom classification, Euglena is included under

A. Monera

B. Plantae

C. Animalia

D. Protista.

Answer: D



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56. Fungi possess

- A. Holozoic nutrition
- B. Holophytic nutrition
- C. Ingestive nutrition
- D. Absorptive nutrition.

Answer: D



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57. Organs are external in

A. Animals

B. Plants

C. Fungi

D. Protista.

Answer: B



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58. Growth is indefinite in

A. Monera

B. Protista

C. Plantae

D. Animalia.

Answer: C



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59. Phytoplankton and zooplankton mostly belong to

A. Monera

B. Protista

C. Animalia

D. Plantae and Animalia.

Answer: B



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60. Number of ecological life styles found in organisms is

A. 6

B. 5

C. 4

D. 3

Answer: D



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61. Ingestive nutrition is

A. Holozoic

B. Phagotrophic

C. Both A and B

D. Holophytic.

Answer: B



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62. Excretory organs are absent in

A. Animals

B. Plants

C. Protistans

D. Both B and C

Answer: D



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63. The term procaryonta and eucaryonta were coined by

A. Lamarck

B. Fott

C. De Candolle

D. Linnaeus.

Answer: B



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64. Organisms in which cell wall develops during the reproductive phase are

A. Mycoplasma

B. Bacteria

C. Slime Moulds

D. Both B and C

Answer: C



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65. Animals which are fixed like plants are

A. Annelids

B. Sponges

C. Corals

D. Both B and C

Answer: D



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66. In absorptive heterotrophy

- A. Solid organic food is obtained from outside
- B. Liquid organic food is got from outside
- C. Inorganic raw materials are obtained
- D. Energy is absorbed from sun.

Answer: B



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67. Decomposers are

A. Phagotrophs

B. Saprotrophs

C. Osmotrophs

D. Both B and C

Answer: D



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68. Which type of heterotrophy occurs in monera ?

- A. Absorptive
- B. Ingestive
- C. Phagotrophic
- D. Both A and B.

Answer: A



69. Group separated from fungi by Whittaker is

- A. Phycomycetes
- B. Myxomycetes
- C. Zygomycetes
- D. Deuteromycetes.

Answer: B



70. Metaphyta represents

A. Fungi

B. Lichens

C. Photosynthetic protists

D. Plantae.

Answer: D



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71. In his protista, Haeckel included

- A. Protozoa
- B. Bacteria and fungi
- C. Unicellular Algae
- D. All the above.

Answer: D



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72. Who created kingdom monera (mychota) ?

A. Haeckel

B. Copeland

C. Dougherty

D. Whittaker

Answer: B



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73. Protista includes organisms

A. Unicellular

B. Acellular

C. Colonial

D. All the above.

Answer: D



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74. Which evolved the earliest ?

A. Anoxygenic photosynthesis

B. Oxygenic photosynthesis

C. Chemosynthesis

D. Aerobic respiration.

Answer: C



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75. Major producers of terrestrial habitats are

A. Metaphytes

B. Metazoa

C. Photosynthetic protistans

D. Photosynthetic monerans.

Answer: A



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76. Phylogeny and inter-relationship found between taxa on the basis of number, type and arrangement of chromosomes is

A. Cytotaxonomy

B. Chromotaxonomy

C. Karyotaxonomy

D. Chemotaxonomy.

Answer: C



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77. The term "New Systematics" was introduced by

A. Bentham and Hooker

B. Linnaeus

C. Julian Huxley

D. A.P. de Candolle.

Answer: C



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78. Phylogenetic system of classification was proposed by

A. Hutchinson/Engler and Prantl

B. Bentham and Hooker

C. Linnaeus

D. Santapau.

Answer: A



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79. Classification given by Bentham and Hooker is

A. Artificial

B. Natural

C. Phylogenetic

D. Numerical.

Answer: B



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80. Thallophyta includes

A. Fungi and Bacteria

B. Algae, fungi, Bacteria and Lichens

C. Algae, Fungi and Lichens

D. Algae and Fungi.

Answer: B



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81. Classical systematics embodies/ concept of calssical taxonmist is

A. Biological concepts

B. Species concept

C. Typological concept

D. All the above.

Answer: B



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82. Artifical system of classification was first used by

A. Linnaeus

B. De Candolle

C. Theophrastus

D. Bentham and Hooker.

Answer: C



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83. System of classification used by Linnaeus was

- A. Natural system
- B. Artificial system
- C. Phylogenetic system

D. Asexual system.

Answer: B



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84. Taxonomy based on determination of genetic relationship is

A. Cytotaxonomy

B. Numerical taxonomy

C. Biochemical taxonomy

D. Experimental taxonomy.

Answer: D



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85. A scientist having made significant contribution in the field of classification is

A. Pasteur

B. Oparin

C. Darwin

D. Linnaeus.

Answer: D



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86. In artificial system, the organisms are classified on the basis of

A. All the possible characters

B. Phylogenetic trends

C. A few characters

D. Anatomical, cytological and biochemical traits alongwith morphological traits.

Answer: C



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87. Species Plantarum was written by

A. Julian Huxley

B. John Ray

C. Carolus Linnaeus

D. Charles Darwin.

Answer: C



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88. An important criterion for modern day classification is

A. Resemblances in morphology

B. Anatomical and physiological traits

C. Breeding habits

D. Presence or absence of notochord.

Answer: B



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89. Father of Zoology' is

A. Carolus Linnaeus

B. Aristotle

C. John Ray

D. Buffon.

Answer: B



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90. Aristotle divided animals into

- A. Protozoa and Metazoa
- B. Enaima and anaima
- C. Chordata and Nonchordata
- D. Vertebrata and Invertebrata.

Answer: B



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91. Natural system of classification is based on

A. Ontogeny

B. Phylogeny

C. Morphology

D. Morphology and affinities.

Answer: D



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92. The scientist who created the group protista for both unicellular plants and animals is

A. Haeckel

B. Pasteur

C. Lister

D. Koch.

Answer: A



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93. Whittaker proposed

- A. Two kingdom classification
- B. Five kingdom classification
- C. Four kingdom classification
- D. Three kingdom classification.

Answer: B



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94. Protista includes

- A. Heterotrophs
- B. Chemoautotrophs
- C. Chemoheterotrophs
- D. All the above.

Answer: D



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95. In Whittaker's classification, non-nucleated unicellular organisms/procaryotes are included under

A. Plantae

B. Monera

C. Protista

D. Animalia.

Answer: B



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96. In Whittaker's five kingdom classification, eukaryotes were assigned to

- A. All the five kingdoms
- B. Only four kingdoms
- C. Only three kingdoms
- D. Only two kingdoms

Answer: B



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97. Four kingdom classification was proposed by

A. Whittaker

B. Copeland

C. Haeckel

D. Linnaeus.

Answer: B



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98. Mitochondria probably originated from bacteria because both have

A. Similar type of circular DNA

B. Similar pigments

C. Same function

D. All the above.

Answer: A



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99. Phylogenetic classification is based on

A. Utilitarian system

B. Habits

C. Overall similarities

D. Common evolutionary descent.

Answer: D



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100. Taxonomy without phylogeny is similar to bones without flesh is the statement of

- A. Oswald Tippo
- B. John Hutchinson
- C. Takhtajan
- D. Bentham and Hooker.

Answer: C



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101. Linnaean system of plant classification is based on

A. Morphological and anatomical characters

B. Evolutionary trends

C. Floral characters

D. None of the above.

Answer: C



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102. Which one possesses characters of both plants and animals ?

A. Bacteria

B. Mycoplasma

C. Paramecium

D. Euglena.

Answer: D



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103. Distinction of Prokaryota and eukaryota is mainly based on

- A. Nucleus only
- B. Cell organelles only
- C. Chromosomes only
- D. All the above.

Answer: D



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104. A system of classification in which a large number of traits are considered is

- A. Artificial system
- B. Phylogenetic system
- C. Synthetic system
- D. Natural system.

Answer: D



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105. A unicellular organism often considered connecting link between plants and animals is

A. Monocystis

B. Paramecium

C. Euglena

D. Entamoeba.

Answer: C



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106. In Whittaker's five kingdom classification, unicellular eucaryotes primarily aquatic and having various cell organelles constitute

A. Monera

B. Protista

C. Animalia

D. Plantae.

Answer: B



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107. Algae with photosynthetic pigments possess nutrition

A. Holozoic

B. Saprophytic

C. Holophytic

D. Parasitic.

Answer: C



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108. In five-kingdom classification system, the kingdom that includes, the blue-green algae, nitrogen-fixing bacteria and methanogenic archaeobacteria is

A. Monera

B. Protista

C. Plantae

D. Fungi.

Answer: A



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109. Blue-green algae are placed in the kingdom

A. Plantae

B. Protista

C. Fungi

D. Monera.

Answer: D



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110. Floral features are commonly used for identification of angiosperms because

A. Reproductive parts are more conservative

B. Flower can be safely pressed

C. Flower are nice to work with

D. Flowers have various colours and scents.

Answer: A



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111. A system of classification that is based on evolution , order and ancestry is known as

- A. Natural system
- B. Analogous system
- C. Phylogenetic system
- D. Homologous system

Answer: C



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112. Book written by Aristotle is

A. Historia Animalium

B. Histoire Naturelle

C. Systema Naturae

D. Philosophie Zooligique.

Answer: A



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113. Karyotaxonomy is based on

A. Trinomial nomenclature

B. Organic evolution

C. Number of chromosomes

D. Bands formed on chromosomes.

Answer: C



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114. Phylogenetic system brings out

A. Reproductive similarities

B. Grouping according to morphological characters

C. Grouping on the basis of increasing complexities

D. Grouping according to evolutionary trends and genetic relationships.

Answer: D



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115. Holophytic nutrition is found in

- A. Amoeba
- B. Entamoeba
- C. Euglena
- D. Giardia.

Answer: C



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116. Feeding on dead and decaying organisms is a nutrition called

A. Autotrophic

B. Saprotrophic

C. Parasitic

D. Holozoic.

Answer: B



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117. Latest classification of biological kingdoms has been proposed by

A. Linnaeus

B. Haeckel

C. Whittaker

D. John Ray.

Answer: C



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118. On which of the following, five kingdom classification is based

- A. Cell wall
- B. Genetic material
- C. Types of organelles
- D. Mode of nutrition.

Answer: D



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119. Which one is saprophytic in nutrition

A. Fungi

B. Cyanobacteria

C. Viruses

D. All the above.

Answer: A



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120. Number of criteria used in classifying organisms in five kingdom classification is

A. 5

B. 4

C. 3

D. 2

Answer: A



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121. Chemotaxonomy is connected with

A. Classification of chemicals found in plants

B. Use of phytochemical data in systematic botany

C. Application of chemicals on herbarium sheets

D. Use of statistical methods in chemical yielding plants.

Answer: B



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122. The term new systematics was given by Julian Huxley in

A. 1809

B. 1901

C. 1840

D. 1940

Answer: D



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123. Biosystematics aims at

- A. Classification of organisms based on broad morphological characters
- B. Delimiting various taxa of organisms and establishing their relationships

C. Classification of organisms based on their evolutionary history and establishing their phylogeny on the totality of various parameters from all fields of study

D. Identification and arrangement of organisms on the basis of their cytological characters.

Answer: C



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124. Phenetic classification of organisms is based on

- A. Ancestral lineage of existing organisms
- B. Observable characteristics of existing organisms
- C. Dendrograms based on DNA characteristics
- D. Sexual characteristics.

Answer: B



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125. Five kingdom classification was proposed in the year

A. 1959

B. 1969

C. 1919

D. 1859

Answer: B



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126. Who proposed that monocots are more primitive than dicots

A. Bentham and Hooker

B. Bessey

C. Aristotle

D. Engler and Prantl.

Answer: D



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127. One of the following is not eukaryotic

A. Protista

B. Monera

C. Plantae

D. Animalia.

Answer: B



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128. Statistical methods used in classification

- A. Numerical
- B. Adansonian
- C. Phenetic
- D. All the above.

Answer: D



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129. Five kingdom classification of living organisms was proposed by

- A. Engler and Prantl
- B. Bentham and Hooker
- C. Whittaker
- D. Hutchinson.

Answer: C



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130. An artificial system of classification was proposed by

A. Bentham and Hooker

B. Linnaeus

C. Engler and Prantl

D. Bessey.

Answer: B



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131. Who gave phylogenetic classification of plant kingdom in Flora Armenia ?

A. Benson

B. Cronquist

C. Takhatjan

D. Hutchinson.

Answer: C



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132. Natural system of classification was proposed by

A. Bentham and Hooker

B. Hutchinson

C. Whittaker

D. Engler and Prantl.

Answer: A



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133. Engler and Prantl published a phylogenetic system in the monograph

A. Genera Plantarum

B. Origin of Species

C. Die Natürlichen Pflanzenfamilien

D. Species Plantarum

Answer: C



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134. Modern system of classification divides organisms into Kingdoms

A. 1

B. 2

C. 4

D. 5

Answer: D



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135. In the classification of plants the term cladistics refers to the

A. Phylogenetic classification

B. Sexual classification

C. Artificial classification

D. Binomial nomenclature.

Answer: A



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136. Three phases of taxonomy, alpha, beta and omega were recognised by

A. A.P. de Candolle

B. Turril

C. Heywood

D. Julian Huxely.

Answer: B



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137. Huxley is father of

A. Artificial taxonomy

B. Adansonian taxonomy

C. Classical taxonomy

D. Neotaxonomy.

Answer: D



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138. Phylogenetic system was given by

A. Engler and Prantl

B. Pliny

C. Whittaker

D. John Ray.

Answer: A



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139. system of classification that employs numerical data to evaluate similarities and differences is known as

- A. Cytotaxonomy
- B. Biosystematics
- C. Phenetics
- D. Chemotaxonomy.

Answer: C



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140. Huxley's New systematics is also called

- A. Chemotaxonomy
- B. Numerical taxonomy
- C. Biosystematics
- D. Phenetics

Answer: C



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141. Classification based on a few morphological characters is

- A. Artificial
- B. Natural
- C. Phylogenetic
- D. Both B and C

Answer: A



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142. Scala Naturae was written by

A. Darwin

B. Whittaker

C. Linnaeus

D. Aristotle.

Answer: D



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143. In Whittaker's system of classification, prokaryotes are kept in kingdom

A. Monera

B. Protista

C. Plantae

D. Animalia.

Answer: A



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144. Two kingdom figuring in all biological classification are

- A. Protista and Plantae
- B. Protista and Animalia
- C. Monera and Animalia
- D. Plantae and Animalia.

Answer: D



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145. A phylum common to unicellular animals and plants is

A. Monera

B. Plantae

C. Fungi

D. Protista.

Answer: D



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146. Phylogenetic system of classification is based on

A. Morphological features

B. Chemical constituents

C. Evolutionary relationships

D. Floral characters.

Answer: C



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147. Classification of organisms based on evolutionary as well as genetic relationships is called

- A. Biosystematics
- B. Phenetics
- C. Cladistics
- D. Numerical Taxonomy.

Answer: A



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148. The term biosystematic was coined by

A. Linnaeus

B. Engler and Prantl

C. Camp and Gilly

D. Bentham and Hooker.

Answer: C



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149. Taxonomy related to morphology is

A. Alpha taxonomy

B. Beta taxonomy

C. Omega taxonomy

D. Adansonian taxonomy.

Answer: A



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150. In five kingdom classification, bacteria belong to

A. Monera

B. Protist

C. Plantae

D. Archaea

Answer: A



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151. In the five kingdom classification, Euglena has been placed in

A. Fungi

B. Animalia

C. Protista

D. Monera.

Answer: C



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152. Consider the following statements about features of kingdoms

(a) In animalia, the mode of nutrition is autotrophic

(b) In monera, the nuclear membrane is present

(c) In protista, the cell type is prokaryotic

(d) In plantae, the cell wall is present.

Of the above statements

A. a alone is correct

B. b alone is correct

C. c alone is correct

D. d alone is correct

Answer: D



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153. which of the following is excluded in whittaker's five kingdom system of classification

A. Algae

B. Fungi

C. Bacteria

D. Viruses.

Answer: D



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154. Match the columns and choose the correct option

I

(a) Ernst Mayr

(b) Whittaker

(c) Pasteur

(d) Diener

II

(1) Discovered viroids

(2) Gave the name virus

(3) Proposed five kingdom classification

(4) Darwin of 20th century

A. a-4, b-3, c-2, d-1

B. a-3, b-4, c-2, d-1

C. a-2, b-3, c-4, d-1

D. a-4, b-3, c-1, d-2.

Answer: A



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155. As per Whittaker's classification, an organism possessing eukaryotic cell structure, multicellular organisation with a cell wall and

nuclear membrane, showing heterotrophic nutrition can be placed under the kingdom

A. Monera

B. Protista

C. Plantae

D. Fungi

Answer: D



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156. five kingdom system of classification

suggested by R.H whittaker is not based on

A. Mode of reproduction

B. Mode of nutrition

C. Complexity of body organisation

D. Presence or absence of well defined
nucleus.

Answer: D



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157. Which one of the following living organisms completely lacks a cell wall

A. Sea Fan (Gorgonia)

B. Saccharomyces

C. Blue-green algae

D. Cyanobacteria.

Answer: A



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158. Green phytoplankton are kept in which kingdom of five kingdom classification system

A. Kingdom monera

B. Kingdom Protista

C. Kingdom plantae

D. Kingdom fungi.

Answer: B



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159. The fundamental and mathematical basis are an aid to the classification of organisms called

A. Taximetrics

B. Numerical taxonomy

C. Palynology

D. Taximetrics and numerical taxonomy.

Answer: D



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160. Pick up the wrong statement

A. Cell wall is absent in Animalia

B. Protista have photosynthetic and heterotrophic modes of nutrition

C. Some fungi are edible

D. Nuclear membrane is present in monera.

Answer: D



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161. What was the basis of Whittaker's five kingdom system of classification of microorganisms

A. External morphology

B. Energy yielding system

C. Cell anatomy

D. Both B and C

Answer: D



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162. Find the correct match

I	II
(a) Takhtajan	(i) Five kingdom classification
(b) Linnaeus	(ii) Phylogenetic classification
(c) Warming	(iii) Artificial classification
(d) Carl Woese	(iv) Classification of communities based on relation to water
	(v) Six kingdom classification.

A. a-v, b-ii, c-i, d-iv

B. a-v, b-iv, c-ii, d-iii

C. a-ii, b-iii, c-iv, d-v

D. a-iv, b-i, c-v, d-iii

Answer: C



Cyc

1. Dendrogram is based on

- A. Phenetic taxonomy
- B. Adansonian taxonomy
- C. Numerical taxonomy
- D. All the above.

Answer:



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2. Graphic representation indicating evolutionary relationships of group is

A. Dendrogram

B. Cladogram

C. α -Taxonomy

D. Hierarchy.

Answer:



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3. The term phylogeny was introduced by

A. Von Baer

B. Haeckel

C. Lamarck

D. Darwin.

Answer:



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4. Father of DNA finger printing is

A. Alec Jeffreys

B. Mayr

C. Meyer

D. Lalji Singh.

Answer:



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5. Ingestive nutrition is characteristic of

A. Fungi

B. Protista

C. Monera

D. Animalia.

Answer:



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6. Metaphyta is the other name of kingdom

A. Fungi

B. Plantae

C. Animalia

D. None of above

Answer:



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7. The scientist who distinguished procaryotes from eucaryotes is

A. Dougherty

B. Fott

C. Copeland

D. Stanier and van Niel.

Answer:



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8. The term monera was coined by

A. Copeland

B. Dougherty

C. Dougherty and Allen

D. Whittaker

Answer:



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9. Besides protista, animalia and plantae, the fourth kingdom of Copeland's classification is

A. Monera

B. Procaryota

C. Mychota

D. All the above.

Answer:



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10. Decomposers occur in kingdoms

A. Metazoa and Metaphyta

B. Protista, Fungi and Monera

C. Monera and Fungi

D. Protista, Fungi and Metazoa.

Answer:



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11. Producers belong to kingdoms

A. Monera, Protista and Metaphyta

B. Monetra, Protista and Fungi

C. Monera and Fungi

D. Plantae.

Answer:



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