

Biology Questions & Answers



1. Who is regarded as father of Taxonomy ?

(A) Hutchinson

(B) Engler

(C) Linnaeus

(D) Theophrastus

2. The system of classification of Angiosperms that is based on a few numbers of characters is referred

to as :

(A) Natural system

(B) Artificial system

(C) Phylo-genetic system

(D) Genetic system

3. The species inhabiting the same geographical areas are :

(A) Sibling

(B) Sympatric

(C) Allopatric

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(D) Taxonomic

4. Binomial nomenclature refers to :

(A) One Latin name and one vernacular name

(B) One scientific name and one Latin name

(C) One scientific name and one vernacular name

(D) One generic name and one specific name

5. Phylogeny refers to :

(A) A group of phyla

(B) Life history of plants

(C) Genetics of animals

(D) Evolutionary history of species from its ancestors.

6. Which of the phyla has the highest number of species?

(A) Arthropoda

(B) Annelida

(C) Mollusca

(D) Echinodermata

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7. Cyanobacteria refer to :

(A) Autotrophic prokaryotes with characteristic blue-green pigments

(B) Bacteria infecting the cyanophycean algae

(C) Viruses infecting Bluegreen algae

(D) Cynophycean members infecting bacteria

8. Marchantia is a bryophyte since it does not have :

(A) Vascular tissue

(B) Roots

(C) Independent sporophyte

(D) Seeds

9. The fern leaves are known as :

(A) Blades

(B) Sporophylls

(C) Lamina

(D) Fronds

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10. Young leaves of Cycas show :

(A) Simple venation

(B) Circinate venation

(C) Alternate arrangement

(D) Opposite arrangement

11. The seed of Pinus is :

(A) Covered and non-endospermic

(B) Naked and non-endospermic

(C) Abaxially placed and covered

(D) Adaxially placed naked and endospermic

12. The petiole modified into leaf like structure is known as :

(A) Phylloclade

(B) Phyllode

(C) Cladode

(D) Cladophyll

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13. Scutellum is the first leaf of :

(A) Gymnosperms

(B) Monocots

(C) Dicots

(D) Pteridophytes

14. Nucleus is absent in :

(A) Xylem parenchyma

(B) Phloem parenchyma

(C) Mature sieve cells

(D) Companion cells

15. The dead cells that have a mechanical function are called as :

(A) Parenchyma

(B) Collenchyma

(C) Sclerenchyma

(D) Companion cells

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16. The water potential increases due to :

(A) Addition of solutes

(B) Pressure

(C) Evaporation

(D) Afforestation

17. Which of the following elements is required for Photolysis of water :

(A) Magnesium

(B) Manganese

(C) Calcium

(D) Zinc

18. The translocation of sugars in angiosperms occurs in the form of :

(A) Glucose

(B) Fructose

(C) Sucrose

(D) Lactose

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19. Which element is essential as an electron carrier :

(A) Potassium

(B) Iron

(C) Zinc

(D) Calcium

20. The plants bend towards light because :

(A) The roots send the message to the stem to do so

(B) The stems like sunlight

(C) The food material is translocated from leaves to stem causing bending

(D) Due to secretion of growth-promoting substances at the tip

21. Pollenkit helps in the :

(A) Nutrition of pollen

(B) Nutrition of insects

(C) Formation of pollen

(D) Sticking to the body of insects

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22. What is the function of tapetum in developing anther?

(A) To obtain food material from the microspores

(B) To digest the microspores

(C) To provide food material to the developing microsporocytes

(D) To give protection to the inner tissues

23. In a plant growing under dark conditions, the leaves turn light-colored, internodes become much elongated and it is termed as :

(A) Chlorosis

(B) Vernalisation

(C) Etiolation

(D) Phyllotaxy

24. The term Homeostasis in an ecosystem refers to :

(A) Feed back mechanism

(B) Self-regulatory mechanism

(C) Influence of production

(D) State of equilibrium

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25. The plants constitute the :

(A) First trophic level

(B) Second trophic level

(C) Third trophic level

(D) Fourth trophic level

26. Biome refers to :

(A) That part of the earth and its atmosphere which inhabits living organisms

(B) A community of organisms interacting with one another

(C) The flora on land

(D) The flora in an ocean

27. Maximum energy amongst ecosystems is contributed by :

(A) Crops

(B) Forests

(C) Coral

(D) Fuel gas

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28. The restriction enzymes are also called :

(A) Molecular markers

(B) Molecular scissors

(C) Vectors

(D) Carriers

29. Polymerase chain reaction employs :

(A) Primers and DNA ligase

(B) Primers and DNA polymerase

(C) DNA polymerase only

(D) DNA ligase only

30. Bt toxin is coded by a gene named as :

(A) cry

(B) bty

(C) tby

(D) dty

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31. Which of the following is not a gastrointestinal hormone?

(A) Gastrin

(B) Secretin

(C) Cholecystokinin

(D) Cortisol

32. All enzymes are proteins except :

(A) Ribozymes

(B) Kinase

(C) Dehydrogenase

(D) Transaminase

33. Enzymes that catalyze removal of groups from substances by a mechanism other than hydrolysis leaving double bonds is called :

(A) Oxidoreductases

(B) Transferases

(C) Lyases

(D) Ligases

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34. Klinefelter's syndrome has a sex chromosome complement of :

(A) XY

(B) XYY

(C) XXY

(D) XO