

1. Compared to genus, which of the following is less general in characters?

- a) Family
- b) Species
- c) Division
- d) Class

2. The organisation of the biological world begins with _____

- a) cellular level
- b) atomic level
- c) submicroscopic molecular level
- d) organismic level

3. Which of the following books is not written by Carolus Linnaeus?

- a) Systema Naturae
- b) Historia Naturalis
- c) Species Plantarum
- d) Philosophia Botanica

4. A taxon can be defined as _____

- a) a group of related families
- b) a group of related species
- c) a taxonomic group of any ranking
- d) the number and type of organisms present on Earth

5. Which among the following is not a code of nomenclature for organisms?

- a) International Code of Botanical Nomenclature
- b) International Code of Bacteriological Nomenclature
- c) International Code of Zoological Nomenclature
- d) International Union of Pure and Applied Chemistry

Statement A: Species is the basic unit of classification.

Statement B: Two plants can be said to belong to the same species if they can reproduce freely with each other and form seeds.

- a) Both the statements are true
- b) Both the statements are false
- c) Statement A is true but Statement B is false
- d) Statement B is true but Statement A is false

6. Statement A: The process of classification is called taxonomy.

Statement B: Characterisation, identification, classification and nomenclature are basic to taxonomy.

- A) Both the statements are true
- b) Both the statements are false
- c) Statement A is true but Statement B is false
- d) Statement B is true but Statement A is false

7. Which of the following takes into account evolutionary relationships between organisms?

- A) Cladistics
- b) Artificial System of Classification
- c) Natural System of classification
- d) Systematics

8. Binomial Nomenclature means giving a scientific name consisting of a generic name and a family name.

- A) True
- b) False

9. Which of these was not a characteristic of the five key kingdom classification?

- a) Type of Cell Wall
- b) Mode of Reproduction
- c) Type of Cell Division
- d) Type of Cell

10. Blue-green algae belong to which of these categories?

- a) Archaeobacteria
- b) Eubacteria
- c) Algae
- d) None of the above

11. Desmids is the name given to

- a) Golden Algae
- b) Diatoms
- c) Both a and b
- d) None of the above

12. Red tides are caused by

- a) Dinoflagellates
- b) Euglenoids
- c) Algae
- d) Slime moulds

13. Mushrooms belong to which class of fungi?

- a. Phycomycetes
- b. Ascomycetes
- c. Basidiomycetes
- d. Deuteromycetes

14. Majority of bacteria are:

1. Photosynthetic
2. Chemosynthetic

3. Decomposers
4. Parasitic

15. Choose the incorrect option.

1. Amoboid protozoans are found in moist soil.
2. In diatoms cell walls form two thick overlapping shell which fit together
3. Dinoflagellates are mostly marine.
4. Dinoflagellates appear yellow, brown and blue.

16. Pigments of which organisms are identical to those of higher plants?

1. Diatoms
2. Slime moulds
3. Cyanobacteria
4. 4. Euglenoids

17. Which of the following statement is correct?

1. All fungi are filamentous.
2. Fusion of protoplasm is called plamogamy.
3. The network of mycelium is called hyphae.
4. 4. Dikaryotic stage has ploidy (called $n+n$)

18. State true or false:

A. Plantae includes all eukaryotic chlorophyll containing organisms.

B. The viruses are non cellular organisms.

1. T, F
2. F, T
3. T, T
4. F, T

19.The name virus was given by:

1. Ivnowsky
2. Pasteur
3. M.W Biejerinek
4. T.O. Diener

20.Agar is is obtained from

- a) Gelidium
- b) Laminaria
- c) Porphyra
- d) Sargassum

21.The first stage in the development of mosses is

- a) Protonema
- b) Slender axes
- c) Gametophyte
- d) None of the above

22.Which of the following is a pteridophyte

- a) Funaria
- b) Selaginella
- c) Equisetum
- d) Both b and c are correct

23.In which division of plant kingdom the female gametophytes do not have an independent free-living existence.

- A) Bryophytes
- b) Pteridophytes
- e) Gymnosperms
- e) All of the following

24. Which one of the following is false?

- a) Gametophytes are multicellular, tiny, and photosynthetic thallus.
- b) Pro-thallus is another name for sporophyte.
- c) Gametophyte is the predominant phase in mosses.
- d) Strobili, a distinctive cone-like structure, is present in Equisetum and Selaginella.

25. Which of the phrases regarding bryophytes below is false?

- a) Bryophytes stop soil erosion,
- b) They break down rocks to create rich soil,
- c) They are utilized as fuel and as packing materials,
- d) Food packaging materials are made of bryophytes since they don't absorb water.

26. Which one of the following is false?

- a) The majority of leafy liverworts share structural similarities with mosses,
- b) Liverworts have oil bodies that moss lacks,
- c) Mosses have lobes in their leaves but leafy liverworts lack,
- d) Mosses have spirally organized leaves whereas leafy liverworts have leaves that develop in two or three rows.

27. Which of the below statements is false?

- a) Male and female gametes develop in sexual organs called gametophytes,
- b) Male gametes are delivered to female gametes by means of water,
- c) Male and female gametes further fuse to produce a zygotic structure that develops into an embryo,
- d) This embryo continues to grow to form a haploidic structure known as sporophytes that bear spores.

28. Which of the following is a characteristic of Angiosperms?

- a) Reproduction by spores
- b) Seeds not enclosed in an ovary
- c) Presence of fruit
- d) No vascular tissue

29. What is the most crucial reason for the immense success of arthropods?

- a) Chitinous exoskeleton
- b) Uricotelic nature
- c) Compound eye
- d) Multipurpose appendages

30. Choanocytes are found in

- a) Outer epithelium
- b) Inner epithelium
- c) Mesoglea
- d) Spongocoel

31. In contrast to other metazoans, coelenterates have

- a) Nematocysts
- b) Gemmules
- c) Radial symmetry
- d) Polymorphism

32. Which among the following is incorrect about organ system level of organization?

- a) Organs group to form organ systems
- b) Each and every organ system are specialized to perform a specific physiological activity
- c) Annelids exhibit this level of organization
- d) All of these animals have a cavity between their digestive tract and body wall called as coelom

33. Which among the following is incorrect about types of digestive system in animals?

- a) A digestive system with one opening to outside is called incomplete digestive system
- b) A digestive system with separate openings for ingestion and egestion is called complete digestive system
- c) Platyhelminthes have a complete digestive system
- d) Sea sponges have an incomplete digestive system

34. The body cavity formed by the splitting of the mesoderm is called

- (a) pseudocoelom
- (b) coelom
- (c) haemocoel
- (d) blastocoel

35. Excretion in flatworms is by

- (a) malpighian tubule
- (b) nephridia
- (c) flame cells
- (d) nephron