



INDIAN SCHOOL NIZWA
CLASS XI A SUB: BIOLOGY CH-2 MCQS, ASSERTION/REASON

1. Aristotle classified the organisms based on their _____
a) Morphological characteristics b) Cell wall c) Evolutionary relationships d) Method of reproduction
 2. The protein coat of virus is called
a) capsomers b) Capsid c) Fibers d) Collar
 3. The spores are endogenously produced in
a) Ascomycetes b) Basidiomycetes c) Phycomycetes d) Deuteromycetes
 4. Which of the following statements are correct about Aristotle's classification?
a) Aristotle classified the organisms into 5 kingdoms
b) Aristotle's classification helped in classifying every organism
c) It didn't consider the cell structure of the organism
d) It considered the method of reproduction of an organism
 5. Linnaeus classified organisms into _____
a) Prokaryotes and Eukaryotes
b) Monera and Protista
c) Bacteria and Non-bacteria
d) Plantae and Animalia
 6. Which among the following is a major disadvantage of the Linnaeus and Aristotle's classification?
a) It is based on the morphological characteristics.
b) These classifications resulted in organisms that are of completely different in the same group.
c) It considered the evolutionary relationships of the organisms
d) They managed to include almost every organism in their classification
 7. Linnaeus classified amoeba under _____
a) Protista b) Animalia c) Monera d) Plantae
 - 8 Which of the following have pigments similar to green plants ?
a) Cyanobacteria b) Euglenoids c) Archebacteria d) Fungi
 9. Which of the following are oxidised by chemosynthetic bacteria ?
A) Nitrates
B) nitrites
C) ammonia
D) Nitrogen
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|----------------------|
| a) A,B,C only |
| b) A and B only |
| c) A and D only |
| d) A,B and D only. |
10. Choose the correct option
a) Amoeboid protozoans are found in moist soil.
b) In diatoms cell wall forms two thick overlapping shells which fit together.
c) Dinoflagellates are mostly marine .
d) Dinoflagellates appear yellow, brown and blue
 11. Identify the class of the given fungi .



- a) Phycomycetes
- b) Duteromycetes
- c) Ascomycetes**
- d) Basidiomycetes

12. In basidiomycetes karyogamy occurs in

- a) Basidiocarp b) Basidiospre c) Basidium d) both b and c

13. The name virus was given by

- a) Ivnowsky b) Pasteur c) MW Biejerinek d) T.O Diener

14. Which of the following statement is correct

- a) All fungi are filamentous
- b) Fusion of protoplasm is called plasmogamy
- c) The network of mycelium is called hyphae.
- d) The dikaryotic stage has ploidy 2n.

15. Viruses that infect bacteria have

- a) Ds DNA b) RNA c) Ds RNA d) RNA or DNA

Assertion / Reason type Questions

1. Assertion : Bacteria are prokaryotic.
Reason : Bacteria do not possess true nucleus and membrane bound cell organelles.
2. Assertion: Archaeobacteria are able to survive in harsh habitats.
Reason: Archaeobacteria survive in extreme conditions due to the presence of peptidoglycan in their cell wall.
3. Assertion : Plasmids are double-stranded extra chromosomal DNA.
Reason: Plasmids are possessed by eukaryotic cells.
4. Assertion: Deuteromycetes is known as fungi imperfecti.
Reason: In Deuteromycetes, only the asexual phase is known.
5. Assertion: Morels and Truffles are edible fungi.
Reason: Ascocarps are edible.
6. Assertion: Mycoplasmas are pathogenic in animals and plants.
Reason: Mycoplasmas lack cell wall and can survive without oxygen.
7. Assertion : Outside a living cell, viruses have crystalline structure.
Reason : Viroids have a protein coat.