



MARGSHREE CLASSES PVT. LTD.

IIT-JEE / NEET / FOUNDATION (IX & X)

Time: 2 hours

Biology | NEET

Marks: 50

(Monera Protista Fungi)

NAME OF THE STUDENT:- _____

DATE:- _____

INSTRUCTION – ATTEMPT ALL QUESTIONS

- Q.1 Who was the first person to attempt a more scientific basis for classification?
A) Aristotle B) Linnaeus C) Whittaker D) Darwin
- Q.2 Aristotle divided the animals into:
A) Protozoa and metazoan B) Enaima and anaima
C) Chordata and non-chordata D) Vertebrata and Invertebrata
- Q.3 Which of the following kingdoms have remained constant under different systems of classification?
A) Monera and Fungi B) Protista and Monera
C) Plantae and Animalia D) None of these
- Q.4 What do you call bacteria that use organic molecules both for energy and carbon source?
A) Photoautotrophs B) Photoheterotrophs
C) Chemoautotrophs D) Chemoheterotrophs
- Q.5 Biogas is produced by:
A) Eubacteria B) Archaeobacteria C) Cyanobacteria D) Mycoplasma

- Q.6. The primitive prokaryotes responsible for the production of biogas from the dung of ruminant animals, include the:
- A) Halophiles B) Thermoacidophiles C) Methanogens D) Eubacteria
- Q.7. Which of the following are found in extreme saline conditions?
- A) Archaeobacteria B) Eubacteria C) Cyanobacteria D) Mycobacteria
- Q.8. Of the following statements, which are not relevant to Archaeobacteria?
- A) They live in some of the most harsh habitats
B) They are present in the gut of several ruminant animals
C) They are characterised by the presence of a rigid cellulosic cell wall
D) They include mycoplasma
E) They are also referred to as blue-green algae
- A) A, B, and C B) D, A, and C C) B D) A, C, and E E) B, C, and E
- Q.9. Which of the following is incorrect about cyanobacteria?
- A) They are photoautotrophs
B) They lack heterocysts
C) They often form blooms in polluted water bodies
D) They have chlorophyll a similar to green plants
- Q.10. Which among the following are the smallest living cells, known without a definite cell wall, pathogenic to plants as well as animals and can survive without oxygen? (NEET 2017)
- A) Bacillus B) Pseudomonas C) Mycoplasma D) Nostoc
- Q.11. Given below are two statements. Statement I: Mycoplasma can pass through less than 1 micron filter size. Statement II: Mycoplasma are bacteria with cell wall. In the light of the above statements, chose the most appropriate answer from the options given below.
- A. Both statement I and statement II are correct
B. Both statement I and statement II are incorrect

- C. Statement I is correct but statement II is incorrect
- D. Statement I is incorrect but statement II is correct

Q.12. Which one among the following does not belong to Monera?

- A. Slime molds
- B. Mycoplasma
- C. Eubacteria
- D. Archaeobacteria

Q.13. Cyanobacteria are monerans which have

- A. the ability to perform oxygenic photosynthesis due to the presence of chlorophyll a
- B. the ability to perform oxygenic photosynthesis and do not have chlorophyll a
- C. chlorophyll in chloroplasts
- D. the ability to do anoxygenic photosynthesis and possess nitrogenase

Q.14. Match the organisms in column I with habitats in column II

Column I

Column II

- | | |
|----------------------|-------------------------|
| A. Halophiles | i. Hot springs |
| B. Thermoacidophiles | ii. Aquatic environment |
| C. Methanogens | iii. Guts of ruminants |
| D. Cyanobacteria | iv. Salty area |

A) A-iv, B-i, C-iii, D-ii

B) A-ii, B-i, C-iv, D-iii

C) A-iv, B-ii, C-iii, D-i

D) A-i, B-iii, C-iv, D-ii

Q.15. What is the common feature of Gonyaulax, Euglena, Amoeba, and Pinnularia?

- A) They show holozoic nutrition
- B) They show autotrophic nutrition
- C) They are unicellular and prokaryotic
- D) They are unicellular and eukaryotic

Q.16. In which group of organisms the cell walls form two thin overlapping shells which fit together? (NEET 2015)

- A) Slime moulds
- B) Chrysophytes
- C) Euglenoids
- D) Dinoflagellates

- Q.17. Select the wrong statement. (NEET 2016)
- A) Diatoms are microscopic and float passively in water
 - B) The walls of diatoms are easily destructible
 - C) 'Diatomaceous earth' is formed by the cell walls of diatoms
 - D) Diatoms are chief producers in the oceans
- Q.18. Which of the following organisms are known as chief producers in the oceans? (NEET 2018)
- A) Cyanobacteria
 - B) Diatoms
 - C) Dinoflagellates
 - D) Euglenoids
- Q.19. Unlike other algae, diatoms do not easily decay due to
- A) Siliceous wall
 - B) Mucilaginous wall
 - C) Waterproof cell wall
 - D) Calcareous wall
- Q.20. Which among the following is true for Dinoflagellates?
- A) Presence of transverse and longitudinal flagellum
 - B) Microkaryons
 - C) Predominantly terrestrial
 - D) Harmless prokaryotes
- Q.21. Which of the following groups of organisms have a protein-rich layer called pellicle?
- A) Chrysophytes
 - B) Euglenoids
 - C) Dinoflagellates
 - D) Slime moulds
 - E) Protozoans
- Q.22. Ciliates differ from all other protozoans in (NEET 2018)
- A) Using pseudopodia in capturing prey
 - B) Having a contractile vacuole for removing excess water
 - C) Using flagella for locomotion
 - D) Having two types of nucleus (macronucleus and micronucleus)

- Q.23. Plasmodium belongs to
- A) Amoeboid protozoans B) Flagellated protozoans
C) Ciliated protozoans D) Sporozoans
- Q.24. Penicillin was first obtained from
- A) Penicillium notatum B) Aspergillus niger
C) Puccinia graminis D) Saccharomyces cerevisiae
- Q.25. Which of the following statements is incorrect? (NEET 2019)
- A. Yeasts have filamentous bodies with long thread-like hyphae
B. Morels and truffles are edible delicacies
C. Claviceps is a source of many alkaloids and LSD
D. Conidia are produced exogenously, and ascospores endogenously
- Q.26. One of the major components of the cell wall of most fungi is: (NEET 2016)
- A) Chitin B) Peptidoglycan C) Cellulose D) Hemicellulose
- Q.27. Which mode of nutrition is found in Rhizopus, yeast, and Penicillium?
- A) Parasitic B) Saprophytic C) Symbiotic D) Autotrophic
- Q.28. Which among the following is a phase of the sexual reproduction in fungi?
- A) Plasmogamy B) Karyogamy C) Meiosis D) All of the above
- Q.29. After karyogamy followed by meiosis, spores are produced exogenously in (NEET 2018)
- A) Agaricus B) Alternaria C) Neurospora D) Saccharomyces
- Q.30. Some fungi exhibit a phase in which a single cell has two nuclei. This phase is known as?
- A) Diploid phase B) Nuclear phase C) Karyotic phase D) Dikaryophase

- Q.31. Name the fungus that is often used in experimental genetics.
- A) Rhizopus B) Puccinia C) Agaricus D) Neurospora
- Q.32. The imperfect fungi which are decomposers of litter and help in mineral cycling belong to: (NEET 2015)
- A) Ascomycetes B) Deuteromycetes C) Basidiomycetes D) Phycomycetes
- Q.33. Deuteromycetes are called 'fungi imperfecti' because they
- A) Have a septate mycelium B) Exhibit autotrophic nutrition
C) Are not reported to exhibit sexual reproduction D) None of the above
- Q.34. Which one of the following is wrong for fungi? (NEET 2016 II)
- A) They are both unicellular and multicellular B) They are eukaryotic
C) All fungi possess a purely cellulose cell wall D) They are heterotrophic
- Q.35. Which one of the following statements is wrong? (NEET 2016 I)
- A) Cyanobacteria are also called blue-green algae B) Golden algae are also called desmids
C) Eubacteria are also called false bacteria D) Phycomycetes are also called algal fungi
- Q.36. Yeast is not included in protozoans but in fungi because
- A) It has chlorophyll
B) It shows saprophytic mode of nutrition
C) It has eukaryotic organisation
D) Cell wall is made up of cellulose and reserve food material is starch