

Yakeen NEET 2.0 - 2026

Biological Classification Botany By Rupesh Chaudhary Sir

Practice Sheet - 02

1. Correct (Bacteria)
 - A. sole member of Protista
 - B. abundant, found limited area
 - C. hundreds of bacteria in soil
 - D. cannot live in hot spring, deep ocean
 - E. parasite mode absent
 - F. 3 common shapes present
 Options
 (A) 1 (B) 3
 (C) 4 (D) 5
2. Correct
 - A. simple in behaviours & complex in structure
 - B. least extensive metabolic diversity
 - C. mostly autotrophs
 - D. some heterotrophs
 - E. mostly feed on dead matter (parasitic)
 Options
 (A) 2 (B) 3
 (C) 4 (D) 0
3. Archaeobacteria
 - A. most harsh condition : present due to cell wall structure
 - B. differ in cell wall structure with others
 - C. Methanogens present in guts of ruminant animal
 - D. methanogens do not produce biogas
 - E. methanogens present in dung
 - F. thermoacidophile : low temperature & high PH
 - G. Saline condition: Halophile
 Options
 (A) 3
 (B) 4
 (C) 5
 (D) 6
4. Eubacteria
 - (A) False bacteria
 - (B) not have rigid cell wall
 - (C) flagella not present in all bacteria
 - (D) Cyanobacteria : Chl a present, chemoautotrophs
5. Cyanobacteria
 - (A) unicellular, colonial not filamentous
 - (B) freshwater /marine but not terrestrial
 - (C) colonies surrounded by gelatinous /mucilage sheath
 - (D) All have heterocyst for N₂ fixation
6. Chemosynthesis autotrophs
 - (A) Oxidise various organic substance such as nitrate, nitrite, Ammonia
 - (B) energy released due to oxidation of inorganic compound utilised in ATP synthesis
 - (C) no role in recycling of nutrient
 - (D) None
7. Heteotrophs (Incorrect)
 - (A) most abundant
 - (B) Majority are decomposer
 - (C) no impact on human affairs
 - (D) curd formation from milk
8. Hetroteophs (Incorrect)
 - (A) antibiotic formation
 - (B) N-2 fixation by rhizobium in non legumes and frankia in legumes
 - (C) some are pathogen infect human, crops, farm animal
 - (D) Cholera, tetanus, typhoid, citrus canker : bacteria disease



9. Mycoplasma
- (A) Cell wall present
 - (B) definite shape
 - (C) smallest non living cell
 - (D) pathogenic to only animals
 - (E) Can survive without oxygen
10. Bacteria (Correct)
- (A) reproduce mainly by binary fission (sexual)
 - (B) some time spore formation (favourable conditions)
 - (C) sort of sexual reproduction by adoption primitive method of DNA transfer
 - (D) None.



Answer Key

1. (A)
2. (D)
3. (C)
4. (C)
5. (C)

6. (B)
7. (C)
8. (B)
9. (E)
10. (C)



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