# BIOD 171 ESSENTIAL MICROBIOLOGY FINAL EXAM 183 PRACTICE QUESTIONS AND ANSWERS 2023-2024

What various functions do proteins have in a cell

Proteins may facilitate the movement of materials in or out of a cell. Some can act as enzymes that catalyze, or speed up, biochemical processes. Others play a structural role while other proteins, such as filaments, enable movement.

What are the main morphologies of bacteria?

Bacteria can be described as coccus (round/spherical), bacillus (rod), vibrio (curved rod) spirillum (spiral/corkscrew).

What are the 4 main classifications of Eukarya

Animalia, Plantae, Fungi or Protista

What are the primary cellular organelles described in this module? Be sure to know the roles of each.

Ribosomes (protein synthesis)

ER (site of protein synthesis)

Golgi (protein modification and distribution) lysosomes (waste disposal),
mitochondria (ATP generation)
chloroplasts (plants only; site of photosynthesis).

True or False: Enzymes are polysaccharides that catalyze chemical reactions.

False. Enzymes are proteins

# **Microbiology Final Exam With Answers**

Michal Rosen-Zvi

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