

1. A well-organized nucleus with distinct nuclear membrane is absent in:
  - (a) Bacteria cell
  - (b) Eucaryotic cell
  - (c) Protozoan cell
  - (d) Fungal cell
2. Cellular organelle containing hydrolytic enzymes are called:
  - (a) Microsomes
  - (b) Lysosomes
  - (c) Oxysomes
  - (d) Ribosomes
3. Cell boundary of animal cell is:
  - (a) Cell wall
  - (b) Plasma membrane
  - (c) Both
  - (d) None
4. Prokaryotes and eukaryotes have the common:
  - (a) Mitotic apparatus
  - (b) Histone
  - (c) Genetic code
  - (d) Mitochondria
5. Cell theory was propounded by:
  - (a) Robert Hooke
  - (b) Leeuwenhoek
  - (c) Marcello Malpighi
  - (d) Schleiden and Schwann
6. Who first saw living cell under microscope:
  - (a) Robert Hooke
  - (b) M. Schleiden
  - (c) T. Schwann
  - (d) A.V. Leeuwenhoek
7. Animal cells and plant cells mainly differ in that:
  - (a) Plant cells possess small vacuoles
  - (b) Animal cells possess large vacuole
  - (c) Plant cells lack rigid cell wall
  - (d) Animal cells lack rigid cell wall
8. Genetic system in prokaryotes and eukaryotes:
  - (a) It is not similar but enclosed in nucleus
  - (b) Is similar and enclosed in nucleus
  - (c) Differ in one respect that prokaryotic system lacks histones which are present in eukaryotic system
  - (d) Differ in many respects
9. Which cell is devoid of nuclear membrane and mitochondria:
  - (a) Sponge cell
  - (b) Bacteria cell
  - (c) Protozoan cell
  - (d) Sperm
10. Smallest cell is represented by:
  - (a) Blue green algae
  - (b) Bacteria
  - (c) Mammalian egg
  - (d) PPLO
11. Influenza virus has:
  - (a) Both DNA and RNA
  - (b) RNA
  - (c) DNA
  - (d) Only proteins, no nucleic acid
12. Tonoplast is the membrane surrounding the:
  - (a) Cytoplasm
  - (b) Vacuole
  - (c) Nucleus
  - (d) Mitochondria