

**Gurudas College**  
Internal Assessment – 2020  
Department of Biochemistry  
Semester-III Hons.  
CC7 Th

**Total Marks - 10**

Answer all questions.

1. Which organelle is called the power house of cell?
  - (a) mitochondria
  - (b) lysosome
  - (c) Golgi complex
  - (d) peroxisome
  
2. Which organelle is called suicide bag of the cell?
  - (a) mitochondria
  - (b) lysosome
  - (c) Golgi complex
  - (d) peroxisome
  
3. Phospholipids are
  - (a) Hydrophobic
  - (b) Hydrophilic
  - (c) Amphiphilic
  - (d) None of them
  
4. Colchicines treated cells are arrested in
  - (a) S phase
  - (b) Prophase
  - (c) G1 phase
  - (d) Metaphase

5. Membranes of the following two organelles are contiguous
- (a) ER and Golgi
  - (b) nucleus and ER
  - (c) Golgi and plasma membrane
  - (d) Golgi and Lysosomes
6. Which of the following is a cell adhesion molecule?
- (a) Integrin
  - (b) Lysine
  - (c) Keratin
  - (d) myosin
7. Which of the following cell components is not part of cytoskeleton of eukaryotic cell?
- (a) microfilaments
  - (b) mitochondria
  - (c) intermediate filaments
  - (d) microtubules
8. Plant cell contain
- (a) glycosaminoglycan
  - (b) pectin
  - (c) proteoglycan
  - (d) peptidoglycan
9. Which of the following statement is not true for a chloroplast
- (a) It contains DNA as their genetic material
  - (b) It produces ATP
  - (c) It has an electron transport chain
  - (d) It contains a transcription apparatus but no translational apparatus
10. When an ion or solute is moved against a concentration gradient using energy, the process is called
- (a) diffusion
  - (b) transport
  - (c) active transport
  - (d) regulated diffusion