OPTIONAL A&P REVIEW FOR NURSING STUDENTS tb 08-11 Lane Community College

Fall 2011

**CELL/TISSUE STRUCTURE AND FUNCTION**

1. Describe the function of:
   1. Plasma membrane
   2. Lipid bilayer
   3. Cytoskeleton
   4. Nucleus
   5. Endoplasmic reticulum
   6. Golgi apparatus
   7. Lysosomes
   8. Peroxisomes
   9. Mitochondria
   10. Enzymes
2. Define:
   1. Diffusion
   2. Osmosis
   3. Hypertonic Solution
   4. Isotonic Solution
   5. Hypotonic Solution
   6. ATP
   7. Active Transport
   8. Endocytosis
   9. Exocytosis
3. Briefly describe
   1. The action potential
   2. The sodium-potassium pump
4. Briefly describe function of
   1. DNA
   2. Ribosomal RNA
   3. Messenger RNA
   4. Transfer RNA
5. Define
   1. Mitosis
   2. Cytokinesis
   3. Meiosis
6. Describe function and type of cell that comprise each of the following:
7. Epithelial tissue
8. Loose connective tissue
   1. Adipose
   2. Areolar
   3. Reticular
9. Dense Connective tissue
   1. Cartilage
   2. Bone
   3. Blood
10. Nervous tissue
11. Muscle tissue
12. Define
    1. Cutaneous membrane
    2. Mucous membrane
    3. Serous Membrane
13. Describe function and characteristics of:
    1. Epidermis
    2. Dermis
    3. Subcutaneous tissue (Hypodermis)