THINGS YOU **NEED** TO KNOW FOR THE PRACTICAL EXAM.

A) **Structural Connective Tissues** .

Observe the slides (400x) and recognize cells, fibers and structures observed for the following:

1) Areolar Tissue: Fibroblasts, collagen fibers, elastic fibers.
2) Tendon(white fibrous tissue): fibroblasts, collagen fiber bundles.
3) Hyaline Cartilage: Chondrocytes, chondrin matrix and lacunae.
4) Bone (compact): Osteocytes, lamellae, Harvesian canals, canaliculi.

Muscles Tissue

- Recognize differences between Smooth, Skeletal (Striated) and Cardiac muscles.
- Differentiate between muscle tissue types when observed at the microscope (100X, 400X)
- Indicate where in the body can you find each kind of muscle tissue.

Skeletal system:

- Which bones are part of the axial skeleton? Which ones part of the appendicular skeleton?
- Types of joints: sutures, cartilaginous joint and synovial. Give example of where each type can be found in the human skeleton.

- Learn to identify the following bones:

Skull	Femur	Patella	Sacrum
Ulna	Fibula	Lumbar vertebra	Pelvis
Clavicle	Tibia	Phalanges	Scapula
Radius	Humerus	Rib	
Mandible	Cervical vertebra	Coccyx	
Maxilla	Thoracic vertebra	Sternum	

Muscular system:

- **Key terms:** Origin, insertion, Flexor, extensor. Pick 5 muscles and recognize their origins and insertions. Give examples of flexor or extensor muscles.

Identify:

Masseter	Latissimus	Soleus
Triceps	External oblique	Quadriceps
Sternocleidomastoid	Rectus abdominus	Biceps
Trapezius	Pectoralis	Gastrocnemius
Deltoid	Hamstrings	Gluteus

* Learn the function of the muscles cited above.