



Answer the following questions.

1. Tabulate the difference between Cardiac and skeletal muscle in term of (sarcoplasm-sarcolemma-nucleus-tubular system-organization of muscle fibers) {8 marks}
2. Give a short account on: {5marks each}
 - a. Histological structure of Malpighian layer of thick skin.
 - b. Correlation between structure of Metarterioles and their functions.
3. Describe the different types of the following: {5marks each}
 - a. Lymphocytes.
 - b. Nerve Fibres.
 - c. Pigments .
 - d. Chromosomes.
4. Draw a labeled coloured diagram for a section of : {5marks each}
 - a. Spongy bone.
 - b. Tonsil.
5. Illustrating your answer with a diagram ,Describe the histological structure of Hyaline cartilage (Cells, matrix ,fibers& outer covering) . {10 marks}
6. Describe the Lymph sinuses in lymph node (Definition-sites-structure) With reference to lymph circulation. {7 marks}
7. State the sites of the following:
 - a. yellow elastic fibrocartilage.
 - b. Fenestrated blood capillaries.
 - c. Simple Columnar Epithelium.
 - d. Collagen fibers .
 - e. Bipolar nerve cells. {10 marks}