



**SUBJECT CODE AND NAME: 1131 – BASIC SCIENCES – ANATOMY**

**UNIT 1: INTRODUCTION TO ANATOMY**

**Reference: The Tamilnadu Dr.M.G.R Medical University Pervious Year Question Papers**

**I. Elaborate On:**

**10 marks**

| S.No | Questions                                                                                                                                                                 | Reference        | Bloom's Taxonomy |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| 1    | Draw and Label a neat diagram of Animal cell, Write the functions of the cell organelles.                                                                                 | (Feb 20)         | Analyze          |
| 2    | Write in detail about the causes and mechanism of Cell injury. Add a note on Irreversible cell Injury.                                                                    | (Feb 16)         | Analyze          |
| 3    | Classify Muscles. Explain in detail about Deltoid Muscle.                                                                                                                 | (Aug 15, Feb 16) | Analyze          |
| 4    | Elaborate on Animal Cell structure with a neat labelled diagram and mention about the functions of the various Cell Organelles.                                           | (Feb 17)         | Analyze          |
| 5    | Describe about the cell under the following headings with suitable diagrams: a) Structure and functions of cell membrane b) Mitochondria c) Golgi apparatus d) Lysosomes. | (Aug 16)         | Analyze          |
| 6    | Explain the structure and functions of the cell organelles with suitable diagrams.                                                                                        | (Aug 19)         | Analyze          |
| 7    | Classify tissues. Describe the structure and functions of epithelial tissue.                                                                                              | (Feb 18)         | Analyze          |
| 8    | Describe the neuromuscular junction and explain the mechanism of muscle contraction.                                                                                      | (Aug 15)         | Analyze          |
| 9    | Explain the introduction to anatomy, including basic anatomical terminologies and planes of the body.                                                                     | (Feb 20)         | Analyze          |

**II. Write notes on:**

**5 marks**

| S.No | Questions                                         | Reference        | Bloom's Taxonomy |
|------|---------------------------------------------------|------------------|------------------|
| 1    | Neuromuscular Junction.                           | (Aug 15, Feb 16) | Understand       |
| 2    | Muscles of Respiration.                           | (Aug 15, Feb 16) | Understand       |
| 3    | Chronic Inflammation.                             | (Feb 16)         | Understand       |
| 4    | General Characteristics features of Inflammation. | (Feb 20)         | Understand       |
| 5    | Reversible and Irreversible Cell Injury.          | (Aug 17)         | Understand       |
| 6    | Functions of skin.                                | (Feb 20)         | Understand       |
| 7    | Phases of menstrual cycle.                        | (Aug 16)         | Understand       |
| 8    | Functions of Protein.                             | (Aug 15, Feb 16) | Understand       |
| 9    | Cell membrane structure and functions.            | (Aug 16)         | Understand       |
| 10   | Anatomical planes of the body.                    | (Aug 19)         | Understand       |
| 11   | Endocytosis and exocytosis.                       | (Feb 20)         | Understand       |
| 12   | Types of muscle tissues.                          | (Feb 16)         | Understand       |
| 13   | Cell injury mechanisms.                           | (Feb 17)         | Analyze          |



**III. Write a short note on:**

**3 marks**

| <b>S.No</b> | <b>Questions</b>                                                         | <b>Reference</b> | <b>Bloom's Taxonomy</b> |
|-------------|--------------------------------------------------------------------------|------------------|-------------------------|
| 1           | Functions of Mitochondria and Golgi Apparatus.                           | (Aug 15)         | Remember                |
| 2           | Cell death.                                                              | (Aug 15, Feb 16) | Understand              |
| 3           | Sagittal Plane.                                                          | (Aug 19)         | Understand              |
| 4           | Endocytosis.                                                             | (Feb 20)         | Understand              |
| 5           | Brachialis Muscle.                                                       | (Feb 17)         | Understand              |
| 6           | Cell injury.                                                             | (Feb 17)         | Understand              |
| 7           | Origin, Insertion and Blood supply of Deltoid Muscle.                    | (Feb 16)         | Remember                |
| 8           | List the differences between skeletal, smooth and cardiac muscle.        | (Aug 17)         | Analyze                 |
| 9           | Covering of skeletal muscle.                                             | (Feb 13)         | Understand              |
| 10          | Difference between voluntary muscle and involuntary muscle.              | (Feb 13)         | Analyze                 |
| 11          | Transverse plane.                                                        | (Apr 23)         | Remember                |
| 12          | Anatomical position.                                                     | (Apr 23)         | Remember                |
| 13          | Coronal plane.                                                           | (Apr 23)         | Remember                |
| 14          | Peritoneum - Functions.                                                  | (Mar 21)         | Understand              |
| 15          | Functions of cell membrane.                                              | (Aug 16)         | Remember                |
| 16          | Define histological terms: hyperplasia, hypertrophy, atrophy.            | (Feb 18)         | Remember                |
| 17          | Types of epithelial tissues.                                             | (Aug 19)         | Remember                |
| 18          | Neuromuscular transmission.                                              | (Aug 15)         | Understand              |
| 19          | Basic anatomical terminologies: superior, inferior, anterior, posterior. | (Feb 20)         | Remember                |
| 20          | Functions of lysosomes.                                                  | (Aug 16)         | Understand              |