

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[BSCN 1122]

**NOVEMBER 2022
(AUGUST 2022 EXAM SESSION)**

Sub. Code: 4701

**B.Sc. (Nursing) DEGREE EXAMINATION
(Regulations for the candidates admitted from 2006-07 onwards)**

**FIRST YEAR
PAPER I – ANATOMY & PHYSIOLOGY
Q.P. Code: 664701**

Time : Three Hours

Maximum : 75 Marks

Answer Section A and Section B Separately

**SECTION - A
(ANATOMY)**

I. Elaborate on: (1 x 12 = 12)

1. a) Enumerate the different special sensory organs of the human body.
- b) Describe in detail about eye.

II. Write notes on: (3 x 5 = 15)

1. Structural difference between Skeletal, Cardiac and Smooth muscles.
2. Tongue – Parts, Papillae, Muscles.
3. Circle of Willis.

III. Short answers on: (5 x 2 = 10)

1. Name the bones present in the Ear.
2. Name the lobes of Cerebrum.
3. Give any two examples of Cuboidal epithelium.
4. Name the veins used for Intravenous Injections.
5. Name the layers of Adrenal Cortex.

**SECTION - B
(PHYSIOLOGY)**

I. Elaborate on: (1 x 13 = 13)

1. Define Synapse. Describe in detail about structure and functions of synapse.
Add a note on properties of synapse.

II. Write notes on: (3 x 5 = 15)

1. Diabetes mellitus.
2. Micturition.
3. Functions of placenta.

III. Short answers on: (5 x 2 = 10)

1. What is surfactant?
2. Frank – starling's law.
3. Types of leucocytes.
4. Primary taste.
5. Name the bile salts.
