

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

**[AHS 0321]**

**MARCH 2021**

**Sub. Code: 2801**

**(AUGUST 2020 EXAM SESSION)**

**B.Sc. FITNESS AND LIFESTYLE MODIFICATION**

**FIRST YEAR (Regulation 2017-2018 & 2019-2020)**

**PAPER I – ANATOMY AND PHYSIOLOGY**

***Q.P. Code : 802801***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define a cell and add a note on cell organelles.
2. (a) Micturition (b) Valves of the heart
3. Classification of muscle and mechanism of muscle contraction.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Role of Kidneys in water balance.
2. Brain stem.
3. Functions of skin.
4. Optic nerve.
5. Broncho Pulmonary Segments.
6. Tissues and its types.
7. Glucocorticoids and mineralocorticoids.
8. Define neuron and classify neurons.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Hormones of neurohypophysis.
2. What is tachypnoea?
3. Functions of Liver.
4. Gastrin.
5. Define Blood Pressure.
6. Nephron.
7. Types of cartilage.
8. Alveoli.
9. Lobes of cerebrum.
10. Functions of spleen.

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