

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

**[AHS 0122]**

**JANUARY 2022**

**Sub. Code: 1121**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY**

**FIRST YEAR (Regulation 2018-2019)**

**PAPER I – BASIC SCIENCES**

**(ANATOMY, PHYSIOLOGY, BIOCHEMISTRY & PATHOLOGY)**

***Q.P. Code : 841121***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Draw & Label the structure of Human Cell. Explain in detail about various cell organelles.
2. Define Inflammation and explain Acute Inflammation in detail.
3. Name the parts of Respiratory System. Explain the mechanism of Respiration.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Humerus.
2. Stomach.
3. Functions of Blood.
4. Classification of Protein.
5. Differences between Artery & Vein.
6. Diabetes Mellitus.
7. Shoulder Joint.
8. Uterus.
9. Anatomical planes of the Abdomen.
10. Meninges.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Define Blood pressure.
2. Clavicle.
3. Draw & label the neat diagram of Liver.
4. Balanced Diet.
5. Opening of the Diaphragm.
6. Functions of Small Intestine.
7. Essential Amino acid.
8. Neuron.
9. Parts of the Brain.
10. Body Mass Index.

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