

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

**[AHS 0321]**

**MARCH 2021**

**Sub. Code: 1101**

**(AUGUST 2020 EXAM SESSION)**

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY/**

**DIPLOMA IN CRITICAL CARE TECHNOLOGY**

**FIRST YEAR (Regulation 2010-2011)**

**PAPER I – ANATOMY, PHYSIOLOGY & BIOCHEMISTRY**

***Q.P. Code : 841101***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Draw the diagram of Kidney, explain about Urine formation.
2. Write the source, functions, deficiency of Iron.
3. Explain about the Mechanism of Respiration.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Vertebral column.
2. Secretion of Pituitary gland.
3. Functions of bone.
4. Urinary bladder.
5. Role of bile in digestion
6. Draw the structure of the Heart.
7. Differences between small intestine and large intestine.
8. Draw the diagram of Nephron.
9. High density lipoprotein.
10. Blood grouping.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Clotting time.
2. Kwashiorkor.
3. Classify nervous system.
4. Sagittal plane.
5. Types of Neuron.
6. Name the bones present in the ear.
7. Name the Water soluble vitamins.
8. Biceps Brachii.
9. Functions of Mitochondria.
10. Name any three essential amino acid.

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