

[AHS 0321]

MARCH 2021

Sub. Code: 1306

(AUGUST 2020 EXAM SESSION)

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (From 2014-2015 onwards)

PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code : 801306

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

**I. Elaborate on:**

(3 x 10 = 30)

1. Explain the process of Urine Formation.
2. Describe the events of erythropoiesis and add a note on factors affecting it.
3. Name the types of circulation. Describe in detail about blood supply of heart along with its applied anatomy.

**II. Write notes on:**

(8 x 5 = 40)

1. Calcium homeostasis.
2. Cardiac cycle.
3. Lung Volumes and Capacities.
4. Digestion of Carbohydrates.
5. Anterior and Posterior relations of both the Kidneys.
6. Deltoid muscle – origin, insertion nerve supply and applied anatomy.
7. Trachea.
8. Functions of Pancreas.

**III. Short answers on:**

(10 x 3 = 30)

1. Function of Anti Diuretic Hormone.
2. Define Blood pressure.
3. Name the types of Muscle.
4. Examples for Ball and Socket Joint.
5. Branches of Coronary artery.
6. Name three Connective tissue cells.
7. Name the three layers of Adrenal Cortex.
8. Upper end of Humerus.
9. Functions of Neutrophil.
10. Frank starling Law.

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