

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

[AHS 0321]

MARCH 2021

Sub. Code: 1006

(AUGUST 2020 EXAM SESSION)

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

FIRST YEAR (From 2014-2015 onwards)

PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code : 801006

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Cardiac cycle. Write in detail about the events that takes place during Cardiac cycle.
2. Describe in detail about the brachial plexus with neat diagram. Add a note on applied aspect.
3. What are Fat soluble Vitamins? Write in detail about the Source, Daily allowance, Functions and Deficiency and Manifestation of Vitamin A.

II. Write notes on:

(8 x 5 = 40)

1. Importance of Balanced Diet and associated Disorders.
2. Glucose Homeostasis.
3. Conducting system of Heart.
4. Spermatogenesis.
5. Blood Groups.
6. Explain the role of Bile in Digestion.
7. Pupillary Light Reflex.
8. Glomerular Filtration Rate.

III. Short answers on:

(10 x 3 = 30)

1. Hinge Joint.
2. Name the Layers of Skin.
3. Define Stroke Volume.
4. Active Transport.
5. Emulsification of Fat.
6. Name any three Function of Plasma protein.
7. Name the Lung Volumes and Capacities.
8. Actions of Insulin.
9. Write any two Renal Function tests.
10. Mention the muscles of Inspiration and Expiration.
