

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

[AHS 0321]

MARCH 2021

Sub. Code: 2301

(OCTOBER 2020 EXAM SESSION)

M.Sc. NUCLEAR MEDICINE TECHNOLOGY

FIRST YEAR (From 2019-2020 onwards)

PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code : 282301

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Describe the synthesis, activation, function, and deficiency manifestations of Vitamin D. [5+5+5+5]
2. Describe the Lungs under following headings [6+4+5+5]
 - a) Location and Gross Anatomy
 - b) Pulmonary Blood Supply
 - c) Muscles of respiration
 - d) Bronchopulmonary segments applied aspect

II. Write Short Notes on:

(10x6 = 60)

1. Blood supply of Stomach.
2. Cardiac cycle.
3. Write briefly on the types of RNA and their functions.
4. Parts of brain stem and cranial nerves attached to it.
5. List the parts and functions of Gallbladder.
6. Write a note on the plasma membrane and its various functions.
7. Blood Supply of Heart.
8. What is the composition and functions of Saliva
9. Lobes and functions of Cerebellum.
10. Explain the factors that affect enzyme activity.
