

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

[AHS 0321]

MARCH 2021

Sub. Code: 4013

(OCTOBER 2020 EXAM SESSION)

M.Sc. MEDICAL PHYSICS

FIRST YEAR (From 2010-2011 onwards)

PAPER III – ANATOMY, PHYSIOLOGY AND PATHOLOGY

Q.P. Code : 284013

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Describe the anatomy and physiology of brain.
2. Write down the divisions, subdivisions, boundaries and contents of the mediastinum. Explain various structures seen in the anteroposterior, lateral and oblique radiograph of the thorax.

II. Write Short Notes on:

(10x6 = 60)

1. Anatomy of heart.
2. Physiology of taste sensation.
3. Wound healing.
4. Anatomy of stomach.
5. Functions of pituitary hormones.
6. Physiology of respiration.
7. Difference between benign and malignant tumor.
8. Menstrual cycle.
9. Head and neck surface marking.
10. Pulmonary(lung) volume capacities.
