

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1841

B.Sc. RADIOGRAPHY & IMAGING TECHNOLOGY

FIRST YEAR (Regulation 2018-2019)

**PAPER I – HUMAN ANATOMY, PHYSIOLOGY & PATHOLOGY RELEVANT
TO RADIOLOGY**

Q.P. Code: 801841

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on : (3X10=30)

1. Write in detail about the physiology of skeletal muscle contraction with suitable diagrams.
2. Elaborate on the histology of Liver. Write in detail about the types and pathophysiology of Jaundice.
3. Discuss in detail about the parts of the respiratory system. Explain with a neat diagram, the structure and functions of Lung.

II. Write Notes on : (8X5=40)

1. Anatomical planes of the body.
2. Conducting system of heart.
3. Erythroblastosis fetalis.
4. Types of tumours and their spread.
5. Connective tissue.
6. Functions of bile.
7. Structure of male and female pelvis.
8. Rh Incompatibility.

III. Short Answers on: (10X3=30)

1. Hormones of Anterior Pituitary Gland.
2. Name any three types of Anaemia and mention its features.
3. Blood supply of brain.
4. Taste pathway.
5. Define cardiac output and stroke volume with normal values.
6. Name the bones of the upper limbs.
7. Name three Cranial Nerves.
8. Clavicle.
9. Write the chambers of the heart.
10. Dwarfism.
