

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1841

**B.Sc., RADIOGRAPHY & IMAGING TECHNOLOGY
FIRST YEAR (Regulation 2018-2019 onwards)
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 : **(3 X 10 = 30)**

1. Write in detail about the physiology of Respiration.
2. Write about the composition of Blood and its functions.
3. With a neat diagram, explain in detail the structure of the Heart. Add a note on Blood supply of Heart.

II. Write Notes on : **(8 X 5 = 40)**

1. Micturition reflex.
2. Functions of Bile.
3. Anatomy of Portal vein.
4. Wound healing.
5. Conducting system of heart.
6. Bronchopulmonary segments.
7. Phases of Menstrual cycle.
8. Functions of CSF.

III. Short Answers on: **(10 X 3 = 30)**

1. Hormones of Endocrine pancreas.
2. Name three Cranial nerves.
3. Draw Mitochondria and write its functions.
4. Functions of Kidney.
5. Classification of Joints.
6. List out the Plasma Proteins and write any two functions.
7. Importance of Imaging Mammary glands.
8. Landsteiner's law.
9. Surface marking of Arch of Aorta.
10. Portal hypertension.
