

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1801

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY
FIRST YEAR (Regulations 2010-2011 & 2014-2015)
PAPER I – HUMAN ANATOMY, PHYSIOLOGY & PATHOLOGY RELEVANT
TO RADIOLOGY
Q. P. Code: 801801**

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on: (3 x 10 = 30)

1. Explain with diagram the anatomy of liver. Write the functions of liver and add a note on liver function tests.
2. Discuss the classification of bones. Add a note on bones of the skull.
3. Write in detail about the anatomy and functions of spinal cord. Add a note on sensory pathway of spinal cord.

II. Write notes on: (8 x 5 = 40)

1. Write about the anatomy of bronchial tree with diagram.
2. Explain the physiology of digestion of food components.
3. Explain the function of various parts of heart.
4. Explain the physiology of urine formation.
5. Write a note on blood disorders.
6. Explain the parts of female reproductive system with diagram.
7. Describe the anatomy of urinary bladder with diagram.
8. Describe the structure and function of salivary glands.

III. Short answers on: (10 x 3 = 30)

1. Write about the formation of cerebrospinal fluid.
2. Name the endocrine glands.
3. Write the layers of Meninges.
4. Draw and explain the lymphatic pathway outline.
5. Explain the parts of stomach with diagram.
6. Blood group systems.
7. Name the parts of the testis with diagram.
8. Functions of ribosomes.
9. Function of venous system.
10. Write about physiology of hearing.
