

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY**

**FIRST YEAR**

**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. Draw the C/S of Heart. Describe the conducting system of heart with cardiac cycle.
2. What is Diabetes Mellitus? Describe its etiology, Pathophysiology and treatment?
3. Describe the steps involved in Excitation – contraction coupling?

**II. Write notes on:**

**(8 x 5 = 40)**

1. A typical Lumbar Vertebrae.
2. Para Nasal Sinuses.
3. Describe Cerebellum.
4. Draw a cell and Label. What are Golgi apparatus?
5. Explain Nephron with diagram.
6. Describe the classification of joints with example.
7. Describe Spleen.
8. Name the parts of Female Reproductive system and their functions.

**III. Short answers on:**

**(10 x 3 = 30)**

1. What are the anatomical regions of Abdomen? What are Rugae and where are they found?
2. What is Myocardium?
3. Types of jaundice.
4. Draw Biliary tree and Label.
5. What are the types of bones? Give example.
6. Name the glands in Endocrine glands.
7. What are Axial and Appendicular skeleton?
8. What are the Layers of Alimentary Canal?
9. What is Omentum?
10. What are the Intercostal Muscles?

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