

**DIPLOMA IN RADIOLOGY IMAGING TECHNOLOGY
FIRST YEAR**

**PAPER I – HUMAN ANATOMY AND PHYSIOLOGY,
RELEVANT TO RADIOLOGY**

Q.P. Code: 841401

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. a) Draw a diagram of human lung and label its parts.
b) Write the mechanism of respiration.
2. Draw the gross section of kidney and label, write the formation of urine.
3. Draw the Parts of alimentary canal. Describe the digestive juices.

II. Write notes on:

(10 x 5 = 50)

1. Testes.
2. Cerebellum.
3. Name the bones, structure of skull with diagram and write function of skull.
4. Lymph node.
5. Pancreas.
6. Appendix.
7. Conducting system of heart.
8. Explain the anatomy of Nephron with diagram.
9. Write on Arch of aorta and branches.
10. Draw a cell and label. What are golgi apparatus? Mention their function.

III. Short answers on:

(10 x 2 = 20)

1. What are axial and appendicular skeleton.
2. What is a Trigone?
3. Write types of muscles with examples.
4. Draw and label a typical lumbar vertebrae.
5. Write the components of synovial joint.
6. Vocal cords.
7. Muscles of Respiration.
8. What are the types of circulation?
9. Layers of alimentary canal.
10. Name the tarsal bones.
