

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**DIPLOMA IN RADIOLOGY AND IMAGING TECHNOLOGY
EXAMINATION – March 2019
First Year**

**HUMAN ANATOMY AND PHYSIOLOGY RELEVANT TO
RADIOLOGY**

Time: Three hours

Maximum: 75 marks

PART - A

ANATOMY

Maximum: 45 Marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Mention all the endocrine glands in the body and explain thyroid gland in detail.
2. Name the organs of gastrointestinal tract. Write in detail about stomach.

II. Write short notes on any ONE of the following: (1 x 10 = 10)

3. Chambers and valves of heart
4. Uterus

III. Write short answers on any THREE of the following: (3 x 5 = 15)

5. Eyeball
6. Pancreas
7. Cranial nerves
8. Spleen
9. Pleura

PART - B

PHYSIOLOGY

Maximum: 30 Marks

I. Write an essay on any ONE of the following: (1 x 10 = 10)

1. Write about the structure and functions of kidney.
2. Write about the parts and functions of respiratory system.

II. Write short notes on any FOUR of the following: (4 x 5 = 20)

3. Physiology and muscle contraction
4. Cardiovascular disorders
5. Functions of growth hormone
6. Draw and mark the parts of neuron
7. Blood grouping
8. Write any two cell organelles with its function