

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

DIPLOMA IN RADIOLOGY AND IMAGING TECHNOLOGY
EXAMINATION – February 2020
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 the parts of respiratory system. Write about lungs and bronchopulmonary system in detail.
2. Write in detail about Thyroid gland.

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

3. Structure of nephron.
4. Gall Bladder.

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

5. Tongue.
6. Liver.
7. Ovary.
8. Heart.
9. Cerebrum.

PART - B

PHYSIOLOGY

Maximum : 30 Marks

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

1. Draw and label the various parts of digestive system. Write in detail about the liver and gall bladder.
2. Draw and mark the parts of nephron. Write its function.

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

3. Edema.
4. Composition and functions of blood.
5. Cardiovascular disorder.
6. Name the endocrine glands and the functions of growth hormone.
7. Draw the long bone and write the functions of bone.
8. Cell organelles.