

[LM 0518]

MAY 2018

Sub. Code: 4013

**M.Sc. MEDICAL PHYSICS EXAMS
FIRST YEAR
PAPER III – ANATOMY, PHYSIOLOGY AND PATHOLOGY**

Q.P. Code : 284013

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the anatomy and function of the Kidney. Briefly explain about the formation and excretion of urine.
2. Mention the etiology of cancer. Briefly explain the systemic effects of Neoplasia, and mode of spread of Malignant tumours.

II. Write notes on:

(10 x 6 = 60)

1. Function of Thyroid gland.
2. Synovial joint.
3. Physiology of taste.
4. Blood grouping and Rh typing.
5. Mechanism of blood pressure and its regulation.
6. Laws of respiration.
7. Pituitary gland and its functions.
8. Insulin.
9. Female reproductive organs.
10. Structure and function of Mitochondria.
